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U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

INSTRUCTIONS

FOR

PREPARING METEOROLOGICAL FORMS.

CLIMATOLOGICAL DIVISION.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1915.

INSTRUCTIONS

FOR

PREPARING METEOROLOGICAL FORMS.

CLIMATOLOGICAL DIVISION.

1. Meteorological Forms, when Mailed.—Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1065, No. 1068, No. 1072, No. 1073, No. 1074, No. 1075, and No. 1083, not later than the 10th; Form No. 1030, 1st, except when that date falls on Sunday it will be issued on the 2d; Forms No. 1002 and No. 1003, as soon as the correction letter for December Form No. 1001 is received.

2. When any form can not be mailed on the prescribed date, an explanation of the cause of delay will be forwarded to the Central Office on the day that it should have been mailed.

3. The barograph and thermograph traces, and Forms No. 1015, No. 1017, and No. 1028 will include the record for the last day of the month.

4. It is the policy of the Central Office not to surrender custody of any form that can not be duplicated, after it has been received. The official in charge is therefore enjoined to see to it that all data required are extracted before such forms are mailed.

5. In forwarding the above-named forms to the Central Office write on the lower left-hand corner of the envelope, "Forms for Climatological Division."

6. In preparing Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1083, and barograph and thermograph trace sheets for mailing, the sheets will be arranged chronologically and fastened together with a Dennison or similar paper fastener.

7. Errors will be charged as follows: (1) Each original correction made in the examination will be counted as one error, but supplementary errors resulting from the original entry will not be charged. (2) A failure to comply with any instructions will be counted as one error when it has been clearly shown that such instructions have been received at the station. (3) If an observer has been charged with an error for failure to comply with any instructions, and again fails to do so on forms for succeeding months, he will be charged with an error for each erroneous entry in the form caused by his disregard of the instructions in question. (4) Errors of omission will be counted in the same manner as errors of commission.

8. An original error made in taking, reducing, or recording an observation, or in transcribing data from Form No. 1083, will be charged equally between the person taking the observation and the one who checks the data (one-half to each).

9. Forecasters, section directors, and specially designated officials in charge may assign an assistant of ability and trustworthiness to be responsible for the accuracy of Form No. 1001 in so far as relates to all matters of copying, compiling, computing, etc., but in all questions of judgment, where it is necessary to put a construction upon an order, ruling, etc., the matter will be decided by the official in charge.

10. Any assistant may be responsible for pages 4, 5, 6, and 7 of Form No. 1001, and Forms No. 1002 and No. 1003. This will give a careful assistant opportunity to make a record for accuracy, besides relieving the official in charge to some extent. The official in charge of the station, however, must continue to exercise general supervision over the meteorological work of his assistants, examining and checking it as frequently as may be necessary, and will be held jointly responsible with them for the general appearance and accuracy of all forms. He also will be held directly responsible for errors that can be detected by a cursory examination, and if the number of errors made at his station be unduly large, it will be considered evidence that he is not giving proper attention to this duty, and he will be censured conjointly with the assistant or assistants making the errors. Messengers and student assistants will not be held responsible for any meteorological form without special permission.

11. The assistant preparing Form No. 1001 under the provision of paragraph 9 will sign his name in the lower left-hand margin of page 9; those preparing pages 4, 5, 6, or 7 will sign on the lower left-hand margin of said pages.

12. Two persons will not sign as responsible for a page or form, except in case of sickness, absence, or relief from station, and then it will be stated for what portion each one is responsible.

13. An official relieved from charge of station or responsibility for forms will be held accountable for errors up to, but not including, the date of his relief. When so relieved he must plainly indicate on the forms the dates of his accountability.

14. Ditto marks (") will not be used in any form.

15. The station clock will be kept adjusted to the standard of time in local use.

16. All regular and special observations will be taken on 75th meridian time, but the standard of time in local use will also be entered.

17. All instrumental records will be kept on the standard of time in local use.

18. All data on pages 2 and 3 of Form No. 1001, except days with light and dense fog, and the corresponding data on page 9, and all data on page 10, will be recorded in 75th meridian time. All other data will be recorded in the standard of time in local use. Data on Forms No. 1014, No. 1030, and the notes on Form No. 1083 will be in the standard of time in local use.

FORM No. 4012, Mis.

19. Whenever an employee has reason to think that he has been wrongfully charged with errors, the correction letter will be returned at once, by indorsement, requesting a reexamination, and stating what error or errors should not, in his opinion, be charged, with his reasons therefor. The matter will receive prompt and careful consideration, and should it be found that errors have been improperly charged they will be removed. If the errors charged are accepted, the letter will invariably be signed by the person or persons whose names appear in the body of the letter and promptly returned. In case of absence of the employee who is responsible for the accuracy of the data, it will be signed by the official in charge and forwarded to the one to whom the error or errors have been charged, to be noted by him and returned to the Central Office. Employees are enjoined to see to it that all corrections indicated, and all resulting changes, are made in Forms No. 1001, No. 1002, No. 1014, and the Climatological Record. The carbon copy of the letter which accompanies it will be filed as a letter received.

FORM No. 1001.

20. This form will be kept clean, and all entries therein made in a neat, legible hand. The leaves should be separated for convenience in entering the data, but margins must not be trimmed.

21. Whenever, from any cause, an observation is not taken the reason therefor will be plainly written on the margin and a full report of the facts at once made to the Chief of the Weather Bureau.

22. If an observation has been taken late, it will be recorded in brackets with the exact time at which it was taken, and used in computing all means and averages the same as if taken on schedule time, unless the conditions have changed since the time for the observation, in which case the probable conditions at the proper time of observation will be determined from the recording instruments by interpolation. These interpolated values will be entered in red ink above the late readings and used in all means and deductions.

23. An observer may be occasionally prevented by legitimate causes from taking an observation on time, but in such a case the observation will be taken as soon as possible and recorded as of the time at which it was actually taken and disposed of as provided in paragraph 22, and a full report of the facts at once made to the Chief of the Weather Bureau. This report will always receive proper consideration.

24. An observer guilty of falsifying the record by reporting observations as taken at prescribed hours which were not actually so taken, or in any other manner whatsoever, will be summarily and severely dealt with, regardless of previous record or length of service.

25. All observations entered on Form No. 1083 will be immediately copied in the proper spaces in Form No. 1001. The observations must be enciphered from Form No. 1001. The retained record will contain pages 2, 3, 8 (except beginnings and endings of precipitation), 9, and 10, and must be kept up to date. All footings on pages 4, 5, and 7 of Form No. 1001 that are required to be entered in Form No. 1002 will be copied in the retained Form No. 1002 before mailing Form No. 1001.

26. In order that the reports may be filed at the telegraph office not later than 8 o'clock, 75th meridian time, observations will be begun not to exceed twenty minutes before that hour.

27. Instruments will be read and conditions noted in the following order: (1) Clouds, (2) state of weather, (3) maximum and minimum thermometers, (4) dry and wet thermometers (and thermograph noted), (5) anemoscope, (6) rain gage (or snow gage), (7) register to anemometer, (8) attached thermometer to barometer, (9) barometer (and barograph noted).

28. All entries in this form must be made in black record ink except when otherwise directed. Red ink will not be used except in underscoring and when especially directed (see pars. 22, 59, 71, 93, and 226). If an error has been made in an original reading in Forms No. 1001 or No. 1083, an ink line will be drawn through the erroneous entry and the correct one placed immediately above the canceled reading in black ink.

29. Entries of direction of wind and clouds will be printed thus: N., NE., E., etc.

30. When crowded for room, notes will be put upon the margin.

31. Instructions relative to taking special observations are given in the Weather Code.

32. All meteorological observations taken will be checked, so far as possible, the following day by the employee responsible for their accuracy.

33. The day of the week on which the month begins will be entered on the left-hand margin of page 8, opposite the first date.

PRESSURE.

34. Actual Elevation.—The height of the zero points of the barometers of a station above sea level. The elevations of instruments will be entered to whole feet on *all meteorological forms*, except Form No. 1058, when these data are required.

35. Station Elevation.—The elevation above sea level adopted for a station at a basis to which all pressure observations at the station are correlated. The elevation on January 1, 1900, was adopted as the station elevation for each one in operation on that date. For stations opened subsequently, the elevation of the barometer at the time of opening of station will be adopted as the station elevation.

36. Removal Correction.—When an office is moved to new quarters and the elevation of the barometer is thereby changed, a proper correction will be applied to the barometric readings in the new location that will reduce the observed readings to the pressure appropriate to the "station elevation." This removal correction will be included in the sum of corrections, Form No. 1059, furnished by the Instrument Division.

37. Sum of Corrections.—A term embracing all the corrections that are practically constant for a given instrument and in a given location, namely, the correction for scale errors, capillarity, gravity, and the removal correction. This sum is given on Form No. 1059, furnished for each instrument.

38. Total Correction.—The correction for temperature, plus the "sum of corrections" as defined above.

39. Observed Reading.—The direct result of the reading of an instrument, uncorrected for any errors.

40. The barometer should be read and recorded to the nearest thousandth of an inch, and the reading will be immediately entered on Form No. 1083 before the reductions are made.

41. Station Pressure.—Corrections for instrumental error, gravity, temperature, and removal, preceded by the proper algebraic signs, will be applied to the observed barometer readings. The correction for temperature will be obtained from the barometer correction cards, as follows: Find at the top of the card the observed height of the barometer, and in the column headed "Attached thermometer" the reading of the attached thermometer; the number at the intersection of these lines will be the correction to be applied. If the reading of the thermometer be less than 29° above zero, the correction will be added, and if 29° or more it will be subtracted. For barometer or attached thermometer readings not given in the table the temperature correction will be determined by interpolation. The sum of corrections for instrumental error, gravity, and removal will be applied to the correction for temperature before recording the latter. Example: Observed barometer reading, 29.512; attached thermometer, 62.0; sum of corrections, +.008. The temperature correction card gives a correction of −.089, to which add the sum of correction +.008 = −.081 to be used and recorded in column headed "Total correction."

42. If the position of the barometer be changed and the elevation increased, .001 inch will be added to the sum of corrections for each foot of increase; if the elevation be decreased, .001 will be subtracted for each foot of decrease. These corrections will be applied pending the receipt of new correction cards.

43. Reduced Pressure.—The reduced barometer will be taken directly from the special table supplied to each station and will be entered to hundredths only. The temperature argument, at stations making two observations daily, will be the mean of the current temperature and that at the preceding regular observation; at stations making but one observation daily it will be the mean of the maximum and minimum temperatures as read at the time of observation. The pressure argument will be the station pressure to hundredths of an inch only (the third decimal being disposed of according to rule). Enter the table with the arguments as above described and find the point where the argument lines intersect; the value there given will be the reduced pressure. It will be necessary to interpolate for the hundredths when the station pressure falls between the tenths of an inch as given at the top of the table. No interpolation will be required for temperature argument if the table be extended so that for each temperature entered there is a difference of only one hundredth in the table. The temperature argument for a special observation will be the mean of that and the preceding regular observation.

44. 3,500 and 10,000 foot planes: The temperature and pressure arguments will be the same as for the sea-level pressure, and the pressure for these planes will be obtained from the tables furnished for said elevations in the same manner as the sea-level pressure and the data will be entered to hundredths of an inch only.

TEMPERATURE.

45. All thermometers must be read and the readings recorded to the nearest tenth of a degree, except the attached thermometer, which will be read and recorded to the nearest half degree.

46. The dry-thermometer readings will be reduced to the various planes by applying the corrections in the table furnished for reducing the "monthly temperature" to these planes.

47. Instrumental corrections will not be applied to thermometer readings except when they are ±0.3 or more in the case of mercurial thermometers, and ±0.5 or more in the case of minimum or alcohol thermometers, or at temperatures of 42° or lower; and when the wet thermometer reads higher than the dry, then all corrections will be applied to the readings of the dry and wet bulb thermometers. The corrections furnished are for each 10°, and will be applied algebraically to the scale readings of the thermometers before recording the same. For a scale reading between those for which corrections are given, an interpolated value of the correction will be used. Example: For a reading of 62.0° the correction is −0.5°. The true temperature is, therefore, 62.0° − 0.5° = 61.5°. For a reading of −8.0° the correction is −1.2°, the true temperature is −8.0° − 1.2° = −9.2°. For a reading of −28.0° the correction is +7.8°, the true temperature is −28.0° + 7.8° = −20.2°. The corrections of thermometers are given on the cards only as low as actual comparisons have been made with substandards. If it should happen that a reading of a thermometer is obtained at a point lower than any for which its corrections are given, then the corrections will be determined by continuing the same ratio of increase or decrease as between the last 30° for which the corrections are given. Example: The correction at +2° is −0.6°, and at −28.0° is −2°. The change of correction between +2° and −28° is −1.4°. For 7° it is about −0.3°. For a scale reading of −35.0°, which is 7° below −28.0°, the correction is −2.3°, and the true temperature is −35.0° − 2.3° = −37.3°. When the signs of the temperature and the correction are the same, add; when different, subtract.

48. The maximum and minimum thermometers will be set both at the a. m. and p. m. regular observations. They will not be set when taking special observations.

49. Observers should always note whether there is agreement in the temperature values given by the several thermometers; that is to say, (1) the top of the alcohol column of the minimum should indicate the same or nearly the same temperature as shown by the dry thermometer; (2) the minimum thermometer reading should be as low as, or lower than, the dry thermometer at the current and preceding observations; (3) the maximum thermometer reading should be as high as, or higher than, the dry thermometer at the current and preceding observations. Readings contrary to the above rules, if the instruments are properly set and read, are abnormal, and steps will be taken at once to discover and remove the cause or replace the instrument if defective. Small differences, however, amounting in some cases to nearly or quite a degree, will occasionally be found to occur. On such occasions the exact readings must be recorded, with an explanatory note.

50. The wet thermometer should always be kept in proper condition, the bulb and muslin cover clean and carefully moistened preceding each observation. In damp, foggy weather it may sometimes read higher than

the dry thermometer after all instrumental corrections have been applied, in which case enter the corrected reading of the instrument, but inclose it in brackets, and enter the corrected reading of the dry thermometer above it and use the latter in obtaining the footings; record the reading of the dry bulb as the temperature of the dew-point, and the relative humidity as 100 per cent, with an explanatory note on the margin.

51. When the temperature of the air is below that at which mercury freezes, the temperature as indicated at the top of the alcohol column of the minimum thermometer will be entered as the readings of the dry and wet bulb thermometers, and also as that of the dew-point, and the relative humidity will be recorded as 100 per cent.

During the prevalence of low temperature, but above the freezing point of mercury, the wet bulb covering should be saturated a few minutes before beginning the observation; and whenever, after diligent effort, it is found impossible to cause the wet thermometer to read as low as, or lower than, the dry thermometer after applying all corrections—any incidental moisture on the dry bulb being removed—the reading of the wet thermometer will be recorded as corrected and inclosed in brackets, and the reading of the dry thermometer entered above it and used in obtaining sums and means. The dry thermometer reading will be recorded as the temperature of the dew-point, and the relative humidity as 100 per cent. Explanatory notes should indicate when these conditions occur.

52. The dew-point, relative humidity, and vapor pressure will be obtained in accordance with the tables furnished; the dew-point will be entered to the nearest whole degree, the relative humidity to the nearest whole per cent, and the vapor pressure to the nearest thousandth of an inch.

53. All daily temperature values on page 8 will be entered in whole degrees only, the tenths of degrees being disposed of according to rule.

54. At stations having a thermograph the maximum and minimum temperatures on page 8 will be taken from the maximum and minimum thermometer readings on pages 2 and 3 (see paragraphs 55 and 56) except when the true maximum or minimum for the day, midnight to midnight, can not thus be obtained, in which event it will be obtained from the corrected thermograph trace (see paragraph 224). At stations not having a thermograph the maximum and minimum will be obtained in accordance with paragraphs 55 and 56.

55. The maximum temperature for the day will be taken from the p. m. observation, except under the following conditions: (1) The maximum temperature recorded at the a. m. observation of the next day will be used when it is higher than the maximum at the p. m. observation and is believed to have occurred before midnight; (2) the maximum temperature recorded at the preceding a. m. observation will be used when it is believed to have occurred after midnight and is higher than any temperature recorded after the a. m. observation of that day. The maximum of any day must be as high as the minimum of the preceding day.

56. The minimum temperature for the day will be taken from the a. m. observation, except under the following conditions: (1) When a lower minimum is recorded at the p. m. observation, it will be used; (2) when the minimum recorded at the following a. m. observation is lower than that recorded during the preceding day, and is believed to have occurred before midnight, it will be used; (3) when the minimum recorded at the a. m. observation of the current day is believed to have occurred before midnight the minimum temperature for the day will be taken from the p. m. observation, unless example (2) requires it to be taken from the following a. m. observation. The range is the difference between the maximum and minimum.

57. The mean (max. and min.) temperature for the day is the sum of the maximum and minimum (as recorded on page 8) divided by 2, and will be recorded to whole degrees only, the tenths being disposed of according to rule. This mean will be used on all forms and reports as the daily mean temperature.

58. The change of temperature is the difference between the mean temperature of the previous and that of the current day.

59. Hourly Readings.—At stations designated by the Central Office the hourly readings of the thermograph, at the exact hour, after being corrected for instrumental error in accordance with instructions, will be entered in black ink on page 5 in whole numbers. The readings at 8 a. m. and 8 p. m., 75th meridian time, and at all other hours at which eye readings are made of the dry thermometer, when they correspond to an exact hour, standard of time in local use, will be entered in the proper hours, and in the same hour column will be written, in red ink, with its appropriate sign, the correction for the self-registering instrument (see paragraphs 217 and 222–227). All eye readings at hours other than 8 a. m. and 8 p. m., 75th meridian time, will be underscored in red ink. When the standard of time in local use is not 75th, 90th, 105th, or 120th meridian time the 8 a. m. and 8 p. m. readings, 75th meridian time, will not be entered, but the corrections at these hours will be entered at the nearest hour, standard of time in local use, and the correction will be applied as usual.

60. In case the register fails to record for a portion of the day, the missing data should be supplied by interpolation; the data thus obtained will be connected by an asterisk to an explanatory note on the margin of the form.

61. Only data for whole days will be used in obtaining sums and means.

62. Footings.—The sums and means will be determined from the data entered in accordance with the foregoing instructions, the means being recorded to tenths.

63. Average Hourly Readings.—The mean of the column headed "Sum" will be obtained by dividing the total sum by the number of hours in the month.

64. Page 4 will be prepared at all stations where an automatic record of sunshine is made, except at those that have been authorized not to do so. The character of the day and average cloudiness will be entered at all stations.

65. The actual time sunshine as recorded during each hour will be entered to the nearest tenth of an hour in the appropriate columns under heading "Sunshine recorded during hours ending" (4 a. m. to 9 p. m., standard of time in local use).

66. The photographic record of sunshine obtained on the sensitized charts is recorded on solar time, which differs from local time by a variable amount, as shown in fig. 3, Circular G, Instrument Division. If the time error amounts to a tenth of an hour or more it must be eliminated by complying with the instructions contained in paragraphs 24, 25, and 27 of Circular G, Instrument Division.

67. In tabulating the data from photographic records it will be necessary to change local mean time to the standard of time in local use. Hour lines

will be ruled on the photographic record in red ink to correspond to the standard of time in local use. If the local mean time of the station is twenty minutes faster than the standard of time in local use the red-ink hour lines will be ruled twenty minutes to the right of the hour lines, and if local mean time is twenty-five minutes slower than standard of time in local use the lines will be ruled twenty-five minutes to the left of the hour lines, etc. The data will then be tabulated with reference to these adjusted hour lines.

68. The "Character of sunrise and sunset" will be recorded as clear, cloudy, foggy, hazy, or smoky, depending upon whether the sun was visible or obscured at the time of sunrise or sunset. When the character of sunrise or sunset is cloudy, foggy, hazy, or smoky the time these conditions obtained will be deducted from the full possible twilight correction.

69. It is not intended that observers shall go on duty at unreasonably early hours in order that the character of sunrise may be determined, but it is believed that, without much inconvenience, sufficiently accurate data can be obtained by noticing the character of weather immediately upon rising and by inquiry of persons who may have occasion to be up at time of sunrise.

70. The "Twilight correction" will be the difference between the time of sunrise for the latitude of station (as shown by Sunshine Table, Edition 1905) and the time at which the sunshine record began, and the difference between the time the sunshine record ended and the time of sunset (shown by table), provided the sky was clear during both these periods. If there were clouds, fog, etc., on the horizon sufficient to obscure the sun, either morning or evening, the time the sun was obscured should be deducted from the correction, as determined above.

71. The twilight correction will be apportioned among the morning and evening hours during which the sun shone and the register failed to record. The amount which belongs to each hour will be entered in red ink to the left of and above the entry of the amount of recorded sunshine. The twilight correction thus entered will be included in the sums entered at the bottom of the page.

72. Under "Hours of sunshine" the column headed "Total" will be the total recorded, including twilight correction. The "Possible hours of sunshine," recorded in the succeeding column, will be computed from the time of sunrise and sunset, as previously taken from Sunshine Table, Edition 1905.

73. In order that the first and last of the monthly "sums" under "hours ending" shall not be discordant with the "divisors" employed at the end of the month, the first and last fractional proportions of the "twilight correction" will be recorded each day to the nearest hundredth of an hour, provided the sun when at the horizon was not obscured; all other entries will be to the nearest tenth.

74. The "Percentage of possible hours of sunshine" will be obtained by dividing the total for each day (total recorded, plus twilight correction), multiplied by 100, by the "Possible" for the same date.

75. The "Percentage of possible for each hour" will be determined by dividing the "Sum," multiplied by 100, by the number of hours of possible sunshine for the entire month during the hour indicated by the heading of the column. Except for the hours ending shortly after sunrise or sunset the "Hours of possible sunshine" will be the same number as there are days in the month. The divisors to be used for the hours ending shortly after sunrise and sunset are given in Sunshine Table, Edition 1905. The "Percentage of possible" for the month will be determined by dividing the sum of column headed "Total," multiplied by 100, by the "Possible" for the month.

76. All percentages will be recorded to the nearest whole per cent.

77. If at any time the amount of sunshine recorded by the instrument is known to be incorrect, either because the instrument fails to record when the sun is faintly obscured by thin haze, cloud, light fog, or light smoke, or because it continues to record for moderate cloudiness which obscures the disk of the sun, the true amount, as determined by eye observations, will be entered in the proper hour spaces in black ink and an explanatory note made on the margin of the form and on the original record sheets. A slight readjustment of the angle of inclination of the glass tube will eliminate imperfect results of this character with the electrical sunshine recorder.

78. No twilight corrections for the first and last hours will be entered under the conditions given in paragraph 77, but the record for the entire time will be in black ink.

79. When hills, trees, or buildings in easterly and westerly directions cause the actual times of sunrise and sunset to differ from those in the table, the observer will note, about the 15th of each month, or oftener if the horizon is very irregular, the time of actual sunrise and sunset, for the center of the sun's disk, and note those observations on the margin of the page.

80. When the photographic sunshine recorder is used the sensitized charts containing the permanent record will be pasted on Form No. 1065, provided for that purpose, before forwarding them to the Central Office (see paragraphs 25 to 27, Circular G, Instrument Division), but all data will be tabulated on page 4, Form No. 1001, only in accordance with the special instructions given.

WIND.

81. The current velocity, and maximum velocity since last observation, will be obtained in accordance with paragraphs 181–184. When the anemometer cups are not moving at the time of observation the wind will be recorded as calm, whether or not 1 or more than 1 mile has been recorded during the last hour; if the cups are moving, a velocity of 1 mile or more will be recorded. The maximum velocity will be entered on pages 2 and 3 only when it equals or exceeds 25 miles per hour. Where but one observation is taken daily, enter the prescribed velocity for the twelve hours preceding the observation and omit entry for the succeeding twelve hours.

82. The maximum velocity must always be equal to or greater than the current velocity, and will have but one direction recorded therewith.

83. The current velocity will be the reading at the time of taking the observation, i. e., between 7.40 and 8 o'clock, 75th meridian time. The maximum velocity will be the highest velocity for a five-minute period during the twelve hours preceding the regular observation.

84. Whenever there is a break in the record, enter note with the maximum velocity for each twelve hours, and for the day, stating the time for which they are a record.

85. The total movement for the twenty-four hours ending at 12 midnight will be used as the total daily movement.

86. The prevailing direction of the wind for each hour will be entered in the hour spaces, page 6. Only one entry will be made as the prevailing direction for any single hour. If two or more directions are recorded an equal number of times on Form No. 1017, consider the directions adjacent to the hour in determining the direction to be entered as prevailing. When the wind movement for any hour is entered as "0," the direction for that hour will also be "0."

87. The prevailing direction for the day, and for the hour as recorded at the foot of page 6, is the direction or directions which appear most frequently in the respective line and column.

88. The direction recorded the greatest number of times during the month will be considered and entered as the prevailing direction for that period. If two or more directions occur an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered.

89. Hourly Wind Movement.—The number of miles of wind recorded each hour will be entered for each day on page 7.

90. In counting the number of miles of wind for each hour the closing of the circuit should be counted as the mile and should be given to the hour in which the circuit closed.

91. The record for each day on pages 6 and 7 must be completed on the day following that for which the entries are made, or as soon thereafter as practicable, and the total for each day compared with the total from midnight to midnight, for the same period of time, entered on the face of the wind sheet.

92. The average hourly velocity will be obtained by dividing the total movement by the number of hours in the month.

93. The maximum velocity during the hour will be entered in red ink in the upper left-hand corner of the hour space each hour that the maximum velocity exceeds the limit fixed by the official in charge, for entry in Form No. 1014 (see par. 163). This velocity will be entered in the space provided at the top of the page.

CLOUDS.

94. Entries of clouds will be printed thus: Ci., Ci.St., Ci.Cu., A.Cu., A.St., St.Cu., Nb., Cu., Cu.Nb., St.

95. The amount of clouds will be recorded on a scale of zero (0) to ten (10). If no clouds are visible, record zero (0); less than one-tenth, record "Few"; less than two-tenths and not less than one-tenth, record 1, etc. Absence of movement will be indicated by the figure zero (0) in the space for direction; and at night, when there is doubt as to kind and direction, a query mark (?) will be placed after the questionable record. The directions from which the clouds are moving will be recorded to eight points of the compass, as N., NE., E., etc.

96. Haze, smoke, and fog will not be recorded in tenths, but must be designated as dense or light, except when smoke or fog occurs in only a portion of the sky, then as follows: $\frac{1}{10}$ light fog in NE., W.; $\frac{2}{10}$ light smoke in W., N., etc. These fractional amounts will not be considered in footing up the columns.

97. No clouds will be recorded with dense haze. If clouds are observed, the haze will be entered as light. Haze will not be given a direction. When dense haze is observed the state of weather will be recorded as "Hazy," and when light haze is observed the state of weather will be determined from the amount of clouds.

98. Dense smoke and dense fog (unless they prevail with nimbus clouds) will not be recorded when clouds are observed, except when from the roof of a building the sky can be seen, in which case a note will be entered stating the fact, and the state of weather will be determined from the amount of clouds; otherwise, when dense smoke or dense fog is observed the weather will be recorded as "Smoky" or "Foggy," as the case may be. When light smoke or light fog is observed the state of weather will be determined from the amount of clouds.

99. Fog and smoke can have a direction; when no movement is perceptible, record zero (0) in space for direction.

100. If there be two or more kinds of clouds observed, invariably record the upper first and the lower immediately underneath in the space for clouds.

101. Clouds will be recorded according to their form without reference to the occurrence of precipitation. That is, if rain is falling from strato-cumulus clouds, record the clouds "St.Cu." and the state of weather "Light rain," etc. When precipitation is occurring with dense fog, record the clouds "10 Nb." and the direction the same as the wind. When precipitation is occurring in the distance, but not actually at the place of observation, an explanatory note will be entered and the state of the weather recorded in accordance with the conditions at the place of observation.

102. Observers should be careful not to record cumulus or strato-cumulus as cumulo-nimbus. It is seldom that more than a few tenths of cumulo-nimbus clouds are visible.

103. In the column "Average cloudiness," page 4, observers will record in whole numbers the average amount of clouds during the day (sunrise to sunset) on a scale of zero (0) to ten (10), as determined from frequent personal observations.

104. The "Character of day" will be determined from data in column headed "Average cloudiness"; zero to three, inclusive, record "Clear"; four to seven, "Partly cloudy"; eight to ten, "Cloudy."

PRECIPITATION.

105. The time of each beginning and ending of precipitation will be recorded; intervals of fifteen minutes or less between the time of ending and recommencement not being considered except near the time of an observation, when all beginnings and endings must be recorded.

106. When a thunderstorm occurs the international symbol for thunderstorm (⚡) will be entered on the right-hand margin of page 8 on each day, midnight to midnight, standard of time in local use, on which thunder was heard.

107. The amount of rainfall will be determined by measuring with the "measuring stick" the amount in the receiver of the rain gage; record as the amount one-tenth of the actual depth measured. After the receiver has been emptied the water in the overflow, if any, will be poured into the receiver, measured, and added to that found in the receiver. Precipitation of less than 0.005 of an inch will be recorded "T." When the p. m. observation is not taken, the amount of precipitation for that observation will be measured the same as if both observations were taken.

108. When there is danger of evaporation, the rainfall will be measured as soon as the rain ceases, and the water, if drawn off, will be returned to the gage. If the measurement at the next regular observation exceeds this one, it will be substituted therefor.

109. All precipitation entirely or partially in the form of sleet, snow, or hail will be melted, poured into the rain-gage receiver, measured, and recorded in the same manner as rainfall. The measurement of precipitation in the form of snow is attended with much uncertainty, due to the action of the wind in drifting the snow and preventing it from entering the gage or blowing out a portion of the snow that has entered. If the observer has reason to believe that the amount collected in the snow gage is not the total snowfall since last observation, three measurements of the depth of snow will be made at different places and the mean of these measurements recorded as the actual depth of the snow. If it is impracticable to melt the snow, or the amount collected in the snow gage is not considered correct, one-tenth of the amount of snow in the gage or from measurements elsewhere, as the case may be, will be recorded as the amount of precipitation for that observation, with an explanatory note.

110. The following suggestions are given for the guidance of observers in the measurement of snowfall:

While one-tenth the depth is arbitrarily adopted as the water equivalent of snow, yet this is only coarsely approximate, and observers should always endeavor to determine the actual equivalent by one of the following methods:

First method.—Select a place where the snowfall is as little disturbed as possible and cut out a section with the snow gage, or 8-inch overflow of the rain gage, by sinking the gage inverted through the snow and covering the mouth with a sheet of tin or thin board. The 8-inch cylindrical section of snow thus secured is then most conveniently measured by weighing, either in the gage itself, the weight of which is afterwards deducted, or after first emptying the snow into some smaller or lighter vessel. If this weight can be ascertained with an accuracy of within one-fourth of an ounce, the water equivalent will be given to the nearest hundredth of an inch by use of Table II—Paragraph 77, Circular A, 1903.

Second method.—If the snow is melted and measured in the measuring tube of the rain gage, care must be taken that loss does not occur by evaporation. Rapid melting must be avoided. The best results are obtained, not by melting directly, but by mixing a measured quantity of warm water with the snow and then measuring the slushy mixture, just as if the snow were all melted, deducting, of course, the amount of warm water added. Ten, or even five inches of warm water in the measuring tube are sufficient for effecting the measurement of a very considerable snowfall. Care must be taken in changing the snow or water from one vessel to another that portions of the precipitation are not lost.

111. When precipitation is occurring at the time of observation, or occurs between the taking of the observation and 8 o'clock, 75th meridian time, a check mark will be made on Form No. 1017 or No. 1028 to show the exact time of observation. The record for that hour as entered on the face of the above forms will include the amount between the check and the end of the hour, but under head of precipitation at time of the a. m. and p. m. observation on the above forms, as also similar headings on Forms No. 1001, No. 1014, and No. 1083, the entries will show the amounts recorded at the time the measurements were made.

112. Precipitation from fog, dew, or frost will not be recorded in this form. Absence of precipitation will be indicated by the figure zero (0).

113. All beginnings and endings of precipitation will be entered in chronological order on the dates on which they occur, beginning at the left-hand column. Only one entry will be made in each column when there are not more than four showers. A. m. and p. m. will be entered as "a" and "p," respectively. When time of beginning and ending is unknown it will be recorded as D. N. a. or D. N. p. (during night).

114. The depth of snowfall (which remained on the ground for an appreciable length of time) during the preceding twenty-four hours will be entered each day in the column headed "Unmelted ---- p. m. to ---- p. m.," on page 8.

115. Less than 0.05 inch of unmelted snow, and all snow which melts as it falls, will be recorded as "T," and in the case of the latter a marginal note "Melted as it fell" will be entered.

116. The total depth of unmelted snow on the ground each day at 8 p. m., 75th meridian time, by actual measurement (the mean of three measurements when the snow is drifted), will be entered in the column headed "On ground at ---- p. m.," page 8.

117. All unmelted snowfall will be recorded to inches and tenths, except as indicated in paragraph 115.

118. Enter under "Amount of precipitation from melted snow (midnight to midnight)" on page 8 the amount of precipitation from melted snow (estimated if unknown). When it is estimated, a marginal note should be entered stating the fact.

119. Care should be taken in determining the character of precipitation when in the form of sleet or hail. Only the precipitation that occurs in the form of frozen or partly frozen rain should be called sleet. Hail is formed by accretions consisting of concentric layers of ice, or of alternate layers of ice and snow. It frequently happens that snow falls in the form of small, round pellets, which are opaque, having the same appearance as snow when packed. This should never be recorded as sleet.

Hail and sleet will not be entered in the columns for unmelted snow.

WEATHER.

120. The state of the weather will be determined and recorded with reference to the degree of cloudiness, and whether or not precipitation is falling or likely to fall soon; thus when the sky is three-tenths or less covered with clouds, record "Clear"; four to seven-tenths, inclusive, "Partly cloudy"; eight to ten tenths, "Cloudy"; and "Misting," "Sprinkling," "Light rain," "Heavy rain," "Light snow," "Heavy snow," "Sleeting," "Hailing," "Threatening," and "Clearing" when these conditions exist (see paragraphs 97, 98, and 105). When two or more kinds of precipitation are occurring at the time of observation all will be entered under the "State of weather." When light fog, light haze, or light smoke is observed with no clouds, the state of weather will be recorded as "Clear."

121. When a thunderstorm is prevailing at the moment of observation, or the rain is still falling, although neither thunder has been heard nor lightning seen for one hour previous to the observation, the international symbol for thunderstorm will be entered after "State of weather."

FOOTINGS AND SUMMARY.

122. *a.* No data required.

b. Underscore in red ink maximum and minimum of the column.

c. Enter most frequent kind or direction, and when two or more directions or kinds are observed an equal number of times, all will be entered. Calm will not be considered in determining the most frequent direction.

Haze, fog, and smoke will always be considered in determining the most frequent kind of clouds; and the direction of fog and smoke will be considered in determining the prevailing direction of clouds, but the amount of fog or smoke will not be considered in the sums or averages.

f. On page 3, under "Fog," "Light," or "Dense," enter the time of beginning and ending on days when these conditions are observed at station, midnight to midnight, standard of time in local use. Enter on page 9 the dates of all days on which fog is observed. A dense fog is one that is dense enough to obscure objects at a distance of *one thousand feet.*

g. The monthly means of "Station pressure," "Reduced pressure," "Dew-point," "Humidity," "Vapor pressure," and "Temperature" (a. m. +p. m.÷2) will be obtained by adding the monthly means of the a. m. and p. m. observations and dividing the sums by 2. The "Monthly mean temperature" will be obtained by dividing the sum of the mean maximum and minimum temperatures by 2. The sea-level, 3,500-foot, and 10,000-foot temperatures will be obtained by applying the corrections in the table to the monthly temperature. The 3,500-foot and 10,000-foot pressures will be obtained by using the monthly temperature as the temperature argument and the corrected monthly station pressure as the pressure argument.

h. In determining the highest and lowest pressure for the month the barograph trace will be considered, and if any corrected barograph reading is lower or higher than the recorded station pressure for any regular or special observation, this reading will be entered under the heading "Station" on page 10, to three decimal places, the last decimal being zero. The corrected thermograph reading at the time of this barograph reading will be entered to whole numbers as the "Dry," and the reduced pressure determined according to the rule for special observations. The other entries should indicate the date and time of occurrence. The pressure values thus derived will be used in determining the highest and lowest for the month for entry on page 9. When the highest or lowest reduced pressure occurs on more than one date, carry the reduction to thousandths to determine the actual date.

i. The highest and lowest temperatures and the greatest and least daily ranges will be taken from page 8, but the dates on which they actually occurred (tenths considered) will be determined from pages 2 and 3. At stations supplied with thermographs, when the monthly maximum or minimum temperature is recorded the same on two or more dates on pages 2 and 3, the date of the highest or lowest temperature for the month will be determined by the thermograph trace, using the date on which the highest or lowest point is reached by the thermograph pen. When the greatest or least daily range of temperature occurs on two or more dates, as shown on pages 2 and 3, the date will be determined by referring to the thermograph trace.

j. The number of days with the maximum temperature 90° or above, 32° or below, and minimum temperature 32° or below, and zero or below, will be determined from the maximum and minimum thermometer readings as recorded to tenths. When the maximum or minimum temperature is taken from the thermograph it will be considered as whole degrees.

k. When on more than one date, both dates will be given.

l. (1) Precipitation will be considered excessive when it equals or exceeds 2.50 inches in twenty-four consecutive hours, or 1 inch in one hour. See also paragraph 205.

(2) In determining the duration of excessive precipitation of 2.50 inches in twenty-four hours at stations equipped with recording rain gages, the period of duration will begin with the first closing of the circuit and end with the last closing for each shower. All intervals between showers will be excluded. At stations not equipped with recording gages the period of duration will be the time precipitation actually occurred. The period may be extended beyond twenty-four hours as long as the rate of 2.50 inches in twenty-four hours continues.

(3) When the above data are compiled for publication the following footnote will be made: "The duration is the time precipitation was actually recorded."

(4) Excessive precipitation at the rate of 1 inch an hour will not be entered on Form No. 1001.—Met'l., unless 1 inch falls within one hour. If 1 inch is recorded in less than one hour that amount only will be taken, unless the rate of fall continues excessive (at the rate of 1 inch an hour or eight and one-third hundredths inch in five minutes), in which event the entire amount of precipitation at the excessive rate and the entire time at which the rate was excessive will be entered.

(5) After 1 inch has been recorded within one hour, if the rate ceases to be excessive for a short time and again becomes excessive, whether or not it extends beyond one hour, both amounts will be included, provided the amount for the last excessive period is sufficient to make it and the non-excessive interval, taken together, excessive.

(6) At the beginning or ending of excessive precipitation of 1 inch an hour no amount at less than that rate will be included unless required to make a total of 1 inch in an hour.

m. In computing the maximum precipitation in twenty-four hours and excessive precipitation data, the division of the months will be disregarded. The same data will not be included in the compilations for two months. When the record for the 1st of a month has been included in that for the preceding month, a note to that effect will be entered on page 9.

n. A day with snow is one on which a trace or more of melted snow fell, midnight to midnight. A day with hail is one on which a trace or more of hail fell.

o. To be taken from the sum of columns headed "Snowfall, unmelted, ---- p. m. to ---- p. m.," page 8.

p. To be determined from page 6 at stations that prepare said page and from the "Number of times observed from," as recorded in the summary, at stations that do not prepare said page. If two or more directions are recorded an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered. When calm exceeds the prevailing direction, it will be entered immediately above the latter.

r. Enter but one maximum wind velocity, direction, and date.

t. The "Monthly mean cloudiness" will be the mean of the column "Average daily cloudiness," on page 4.

u. To include only days on which 0.01 inch or more of rain, melted snow, sleet, or hail fell.

v. A day with thunderstorm is one on which thunder is distinctly heard at the station, whether or not lightning is seen or rain falls at the station. (See par. 106.)

w. Stations having a recording rain gage will enter the maximum fall in five and ten minutes, etc., for the month, together with the date of occurrence.

RULE FOR DISPOSING OF DECIMALS.

123. In dropping decimals, if the figure to be dropped is greater than 5 (or 5 with a remainder) the preceding figure will be increased by 1. If the decimal figure to be dropped is 5 exactly, the preceding figure when odd will be increased by 1, and when even it will remain unchanged. If the figure to be dropped is less than 5, retain the preceding figure unchanged.

124. In computing the monthly means of barometer and vapor pressure the division will be carried to four decimal places, and the fourth decimal dropped in accordance with the preceding rule. In computing all means (except for barometer and vapor pressure) carry the division to two decimal places only, and dispose of the last decimal figure according to the preceding rule.

FROSTS.

125. The date of occurrence of each frost will be recorded throughout the year in California and Florida and along the immediate coast of the Gulf of Mexico.

126. In the spring the date of occurrence of each frost will be recorded within and to the southward of the different zones on and after the dates set opposite the several lines upon the chart at the end of this circular.

127. All frosts occurring at any station between May 1 and August 31 will be recorded.

128. During the autumn and winter frosts will not be recorded subsequent to the date on which the first killing frost occurs, except as specified in paragraph 125.

129. Frosts will be designated as "light," "heavy," or "killing." The term "light" signifies no destructive effect except to tender plants and vines; "heavy," a copious deposit of frost, but which does not kill the staple products of the locality, and "killing," frost that is destructive to vegetation and staple products.

130. The character of frost, whether light, heavy, or killing, must sometimes be determined by the phenomenon itself, rather than by its effect on vegetation and the staple crops, since the latter may have passed the stage where injury was possible.

MONTHLY METEOROLOGICAL NOTES.

131. Pages 11 and 12 will contain an account of important atmospheric phenomena, not easily susceptible of tabulation, occurring at or in the vicinity of the station. Events will be described after the manner of a narrative, covering the entire period of occurrence, whether consisting of a fraction of a day or of a number of days.

132. An annual index will be prepared on the printed form provided for that purpose and will be submitted with the December Form No. 1001. Subjects will be indexed by month and date.

133. The meteorological notes will be written with a typewriter and the writing should be single spaced. Both sides of the sheet will be used, and, if necessary, an additional sheet will be inserted. A press copy will not be made.

134. In the reporting of meteorological phenomena too much care can not be exercised to make the account explicit and to state accurately the time of occurrence. Very often the omission of a single detail detracts materially from the value of the report.

135. In describing weather conditions and phenomena it is preferred that clock time be employed. Midnight will be understood to refer to the end of the day and will receive the date thereof. Twelve o'clock midnight and twelve o'clock noon will be written thus, respectively: 12 midnight; 12 noon. Night will be referred to thus: "Night of the 3d–4th," and will cover the time from dark to daylight.

136. At stations on the lakes and navigable rivers the opening and closing of navigation, together with the name of the first vessel to arrive and the last to depart, should be recorded.

137. Noteworthy facts in regard to frosts will be recorded in accordance with paragraphs 125–130.

138. Especial care should be taken to note the *dates* of the occurrence of the first and last frost of each character in *the annual index of the Monthly Meteorological Notes.* If the dates of the first and last killing frost can not be determined the first day with the minimum temperature of 32°, or lower, in the autumn, and the last day with 32°, or lower, in the spring, *when precipitation did not occur* while the temperature of 32°, or lower, obtained, will be recorded, with an explanatory note as to the probable cause of the absence of frost on those dates.

139. *a.* A tornado is a violent local storm, in connection with which is usually noted a well-defined, pendant, funnel-shaped cloud, with attendant rotary winds, often of sufficient violence to prostrate buildings and uproot trees and leaving unmistakable evidence of rotary winds.

b. Whenever a tornado occurs in the vicinity of a station the official in charge will make diligent effort to obtain an accurate description of all meteorological elements accompanying the tornado. In gathering and preparing the data relative to a tornado, information on the following points is desirable:

c. The path of the tornado, with the location of buildings destroyed and the distribution of the débris on either side of the storm track. This should be shown by a map.

d. The name of the place and the date and hour of occurrence. If the tornado passed near a town the distance, and direction from, should be noted.

e. The appearance of the cloud; glow and funnel-shape; the color of cloud; the meeting of clouds; lightning, and whether seen to issue from the funnel cloud.

f. Character and amount of precipitation, including hail; size of hail.

g. Nature of attendant noises.

h. Direction of motion of storm.

i. Presence of a whirl, either as seen in a cloud or as evidenced by the distribution of the débris.

j. General direction in which trees or débris lay in the center line of greatest destruction, and on either side of this line.

k. Length of path and width at point of greatest destruction.

l. Number and names of persons killed.

140. Various optical phenomena are constantly occurring in the atmosphere, and while they have no very important bearing upon the weather it is desirable to note their occurrence. Among these phenomena may be mentioned auroras; halos, solar and lunar; rainbows; coronas; parhelia; paraselenæ, and mirages.

141. Auroral displays should be described, giving in all cases where practicable the time of beginning and ending and the altitude and azimuth of each extremity and of the crown of any arch of light that may be formed. Azimuths should be recorded as in astronomy, from the south point to the westward, passing successively through west, north, and east points of the compass until the starting point is reached.

142. In counting the number of auroral displays, those occurring on parts of two successive days will be counted as single displays, but in counting the dates of auroras, when they extend past 12 midnight, both dates will be counted.

143. Whenever a meteor is seen the "illumination" left by it should be carefully noted, both as to its appearance and the direction in which it apparently floats.

FORM No. 1002.

144. This form will be made out in duplicate at the end of the year on the current edition.

145. If the elevation of the anemometer, thermometer, or rain gage has been changed, that on December 31 must be given. The dates of changes and old elevations must be carefully recorded on the margin.

146. The sum of corrections and all changes in the same must be carefully noted under "Sum of barometer corrections," page 1, and the date and observation upon which it was first used.

147. When one or more observations have been missed, connect all data for less than a full month with a footnote, stating the length of time of the record.

148. The monthly mean pressure, dew-point, relative humidity, absolute range of pressure, and all other data, except as hereinafter provided for, will be taken from the summary of Form No. 1001 or the Climatological Record. The decimal in the case of the dew-point and relative humidity will be disposed of according to rule.

149. In the space for date of highest and lowest pressure and temperature for the year enter the month and day thereof, as "July 6." The mean daily range and mean daily change of temperature will be taken from the columns similarly headed on page 8, Form No. 1001.

150. The data to be entered in the columns headed "Total" and "Possible" will be taken from the sum of the columns similarly headed on page 4, Form No. 1001. The "Percentage" will be taken from the monthly percentage of "Total." Stations not supplied with a sunshine recorder will leave these columns blank.

151. The prevailing wind direction for the year (at foot of column headed "Prevailing direction") will be determined from the sums of "Number of times observed blowing from the N., NE.," etc.

152. The mean hourly temperature and wind velocity will be taken from the mean values at the foot of pages 5 and 7, respectively, and the data for entry in columns headed "For the month" from the average hourly temperature and wind velocity, respectively. Data for less than one-half of a month will not be recorded, and in case the data for one or more months are missing the sums and means for the year will be omitted. All means will be obtained by dividing the sums of the respective columns by 12, and each mean will be recorded to the same number of decimal places as the data from which it is obtained are recorded.

FORM No. 1003.

153. The data to be entered on Form No. 1003 will be an exact copy of those in columns similarly headed on Form No. 1002. One copy will be forwarded to the Central Office with Form No. 1002. A retained copy need not be kept.

FORM No. 1014—DAILY LOCAL RECORD.

154. Time.—All entries will be on the standard of time in local use; this will be local mean time at the few places where such is in current use.

155. Enter against the heading "Temperature at the end of hour" the corrected thermograph readings, except whenever eye readings of the dry thermometer at exact hours are available they will be entered. The maximum and the minimum thermometer readings and the mean daily and normal temperatures will be entered on the right-hand side of the sheet, and these entries will correspond to those entered on page 8, Form No. 1001.

156. Under "State of weather" enter the nature of the precipitation, whether rain, hail, sleet, or snow, with the time of beginnings and endings. The character of precipitation may be indicated by a single letter; thus, for rain beginning at 9.15 a. m. the entry would be "R. B. 9.15" in the column headed 9–10. The ending should be indicated in a similar manner in the proper hour column.

157. On the right-hand margin of the form, opposite the heading "Nature of precipitation," etc., the total depth of snowfall for the twenty-four hours ending at 8 p. m., 75th meridian time, will be entered.

158. The blank space on the form for the time will be filled up by entering the standard time in local use corresponding to 8 p. m., 75th meridian time. In the same manner the amount of snow on the ground at 8 p. m., 75th meridian time, will be entered.

159. In the spaces against the heading "Amount of precipitation" will be given the hourly amounts, when obtainable by self-register. Stations not supplied with self-registers will leave the spaces blank. On the right-hand margin space is provided for the entry of the total precipitation as measured at the 8 a. m. and 8 p. m. observations, 75th meridian time, except that the time will be given in the local standard in use at the station instead of 75th meridian.

160. The total precipitation, midnight to midnight, will also be entered in the space provided for it. At stations not provided with self-registers the amount will be estimated and a note to that effect will be made.

161. In the spaces headed "Cloudiness and other conditions" the state of the weather will be indicated by the words "Clear," "Partly cloudy," "Cloudy," "Fog," etc., and the time that these conditions prevailed will be indicated by means of arrows and lines drawn through the hour spaces on both sides of the word and ending at the time when the conditions began and terminated. Moonlight should be observed and a symbol entered to indicate the phase of the moon on the date for the maximum of each phase. If the moon is obscured at intervals, either totally or partially, these facts should be noted. The "Character of the day" will be entered in the space provided for it.

162. The space headed "Sunshine" is intended to replace the entries which were formerly made on Form No. 1070, and the instructions which apply to page 4, Form No. 1001, will be followed in entering the data on this form.

163. In like manner the spaces for "Wind direction" and "Wind movement" will be prepared precisely as the similar columns on pages 6 and 7, Form No. 1001. The third space under wind, "Maximum velocities exceeding ----------, miles," will contain a statement of the maximum hourly velocity and direction, together with the time the maximum occurred, as taken from Form No. 1017, or No. 1015, whenever the wind exceeds a certain limit. This limit will be fixed by officials in charge of stations. In general, maximum velocities below 25 miles will not be entered unless there is a demand for them at the station. Officials in charge will aim to enter only those maximum velocities which may be of importance to the public interests at the station.

164. Space has been provided for use in entering excessive precipitation data. Against the right-hand margin of this space relative humidity, reduced barometer, and river readings should be entered.

165. Copies of the barograph and thermograph trace will be made on the diagrams at the foot of the page.

166. The space provided for notes will be used whenever the instrumental readings do not clearly express the weather conditions of the day. Under this head a description should be given of all severe storms, cold waves, frosts, or any abnormal condition that may prevail, together with the time of receipt and the time of hoisting and lowering of warnings of all kinds. The Daily Local Record should contain a complete history of the weather of the day and be carefully verified. It will be retained at the station, and a copy will not be furnished to the Central Office. It should be made in record ink.

167. All special features will be indexed.

FORMS No. 1015, No. 1017, and No. 1028.

175. Enter in the lower right-hand corner of each sheet the meridian of time on which the record is made, as 75th meridian time, 90th meridian time.

176. Incomplete Records.—Observers will examine the registers each morning immediately upon arriving at the office to see whether or not they are working properly. If the anemometer is out of order a dial reading will be made at once and entered on the sheet, together with the time at which it was made.

177. Dial readings will also be made at each regular observation and at each noon during the incomplete record and when the record is started and entered on Form No. 1015 or No. 1017. The data will be interpolated when the loss of record is less than twenty-four hours. Short breaks in the record when the self-register fails to work may be estimated when the observer believes he can approximate what the record would have been. In all such cases an explanatory note will be entered on all forms where the data are used.

178. In case of loss of record for a period of twenty-four hours or more, blank sheets for the period containing the name of the station, dates, and such data as can be obtained will be prepared and forwarded with the regular monthly package.

179. Whenever the instrument has not been running on correct time a note should be made to indicate the true time of the record.

180. The total movement of the wind for each six hours and for the day will be entered on the left-hand margin in the proper spaces.

181. Current Velocity, How Obtained from Register.—To obtain the current velocity from the anemometer record, take the number of spaces and parts of spaces between the mile marks recorded in the five minutes preceding the moment considered and multiply the result by 12, except when the wind has blown at the rate of less than 12 miles an hour, when the velocity will be determined as shown by the second example below.

First example: Suppose the number of spaces indicating mile marks between 7.55 p. m. and 8 p. m., 75th meridian time, was $1\frac{1}{4}$, then the velocity of the wind to be recorded at the p. m. observation is $1\frac{1}{4} \times 12 = 15$ miles per hour.

Second example: If the interval between the last two mile marks is seven minutes, then the current hourly velocity will be obtained by dividing 60 by $7 = 8\frac{4}{7}$ miles, recorded as 9 miles.

182. Maximum Velocity, How Obtained from Register.—The maximum velocity of wind will be obtained by considering the number of spaces and fractions thereof between the mile marks in the five minutes where the velocity is the greatest and multiplying the result by 12; the product will be the maximum velocity.

If the shortest space between two mile marks in the period covers more than five minutes of time, then the elapsed time for said space will be the basis of the calculation. Example: If the shortest space between two mile marks is thirteen minutes, then the maximum velocity is $60 \div 13 = 4.6$ miles per hour, which will be recorded on Form No. 1001 as 5 miles.

183. The extreme velocity each day (from midnight to midnight) will be ascertained with reference to the mile of wind recorded in the shortest time, thus: Find the two marks nearest each other on the anemometer sheet, calculate accurately the amount of time between these two marks (from beginning to beginning or from ending to ending), divide 60 by this amount, and the quotient will be the extreme velocity. Example: The space of time between two marks nearest each other is two minutes; $60 \div 2 = 30$, therefore 30 miles is the extreme velocity for the day.

When the maximum velocity is 12 miles per hour, or less, the extreme daily velocity for the same period of time should be the same; if more than 12 miles, the extreme velocity can be greater.

184. For convenience and accuracy in determining the velocity of the wind a scale has been prepared and furnished to each station with which the velocities may be read direct from Form No. 1017—Met'l without computation. This scale consists of a series of subdivisions equal in length to the intervals between the mile marks on the record sheet for all velocities from 5 to 39, and for every even mile from 40 to 78 miles per hour. To determine the velocity find the portion of the scale where the subdivisions correspond to the mile marks on the sheet. If the mile marks correspond with the smallest subdivisions, the velocity is shown by the first row of figures on the scale. If the mile marks correspond to 2, 4, or 8 of the subdivisions, the velocity is shown by the second, third, or fourth row of figures. When measuring maximum or current velocities for which a whole number of miles is not recorded in five minutes, it will be necessary to estimate the proportional part of a mile required to complete the five-minute period.

185. Maximum Velocities Entered on Wind Sheets.—The maximum wind velocity (for any five minutes) for the day, midnight to midnight, standard of time in local use, and the maximum velocity, when entered on pages 2 and 3, Form No. 1001—Met'l, will be entered in ink on Forms No. 1015 and No. 1017—Met'l immediately above the record as shown by the self-register. Care will be taken not to obliterate any record, and the word maximum will be abbreviated thus: Max. 25.

186. Current Wind Velocity, How Obtained from Dial.—Make two readings of the outer dial with an interval of five minutes between them. The difference between these readings will be the distance, in miles and tenths, traveled by the wind in that interval. This, multiplied by 12, will give the indicated velocity in miles per hour. Example: Suppose the index of the anemometer to be at 3.4 on the outer dial when the first reading is taken and at 4.1 five minutes after, the difference, 0.7 mile, is the distance traveled in that time; and this, multiplied by 12, gives a velocity of 8.4 miles per hour.

187. The total movement by register for any period will be obtained by counting the number of marks in the period.

188. Wind Movement from 12 Noon to 12 Noon by Dial, How to Obtain.—Subtract the reading of the anemometer dial at 12 noon of the preceding day from the reading taken at 12 noon of the current day; the difference will be the total movement. When the reading of the anemometer is less than the reading of the preceding day, 990 miles will be added to it, and the remainder, after subtracting the reading of the preceding day, will be the total movement. Example: The dial reading of to-day is 91, and that of yesterday was 950, hence we have $91+990=1{,}081$; $1{,}081-950=131$, the total movement of the wind in miles from noon to noon.

189. Velocity of Wind, Estimated.—Whenever instruments are not available for directly measuring the wind velocity it will be estimated by reference to the following scale:

Name.	Miles per hour.
Calm	0 to 5.
Light	6 to 15.
Moderate	16 to 25.
Brisk	26 to 35.
High	36 to 50.
Gale	51 to 65.
Hurricane	66 or more.

190. Dial Readings.—The reading of the anemometer dial made at 12 noon on the first day of each month and at 12 noon each Monday during the month will be recorded on the sheet just taken from the register. Only actual dial readings will be recorded.

191. The accuracy of the anemometer record for each month may be verified at the end of the month as follows: Ascertain the total wind movement by register from 12 noon of the first day of the month in question to 12 noon of the first day of the succeeding month; add to this the dial reading of the first day of the month being verified and divide the sum by 990; the remainder should equal the dial reading on the first day of the succeeding month.

Example.

Total movement, 12 midnight to 12 midnight	3,283
Less twelve hours preceding 12 noon of the first day of month	70
	3,213
12 midnight to 12 noon of first of succeeding month	22
Dial reading on first day of month	303
	990)3,538(3
	2,970
Dial reading on first day of succeeding month	568

192. Anemometers Changed.—When the anemometer is changed a note will be made on the lower margin of the anemometer record sheet, giving the date and the hour of the change and the dial reading of both old and new instruments. If changed at 12 noon both readings will be recorded on the sheet just taken from the register.

193. When an electric sunshine record is made the character of sunrise and sunset will be written, at the proper hours, on Form No. 1017.

194. When both sunshine and rain are recorded on the same sheet the portion representing rain will be clearly marked by brackets and such footnotes added as may be necessary to completely identify the records in case there is likely to be uncertainty.

195. Precipitation.—Whenever a station is equipped with a recording rain gage, that gage will be regarded as the station gage, and the measurements of the amounts of precipitation it collects will be the official measurements of the precipitation at the station.

196. Beginning and Ending of Precipitation.—The time of beginning and ending of precipitation will be recorded on the automatic record sheets (Forms No. 1017 and No. 1028) by direct and reverse check marks, thus (√) (\), accompanied by the letters B and E, respectively, said check marks being placed at the points corresponding in time on the sheet to the observed time of beginning or ending of precipitation, standard of time in local use. Whenever the time of beginning or ending is doubtful the entry will be accompanied by a query mark (?). Any information that will aid in determining the hourly amounts and rates of rainfall, when imperfectly recorded, should be given.

197. The characters B. D. N. or E. D. N. will be used to denote the beginning and ending of precipitation during the night, when the time is not known.

198. Whenever it becomes necessary to remove the recording gage to prevent injury from freezing (see paragraph 26, Circular E, Instrument Division), a note will be entered on page 9, Form No. 1001, giving the dates it was removed and again exposed. Stick measurements of the amount of precipitation collected in the snow gage will be made as instructed in paragraphs 109 and 110.

199. The precipitation collected in the tipping-bucket gage will be drawn off at each regular observation, the contents measured by stick in the measuring tube, and the amount recorded on Forms No. 1001 and No. 1017.

200. When the amounts by register and stick measurements at an observation differ by 10 per cent or more, a brief explanation of the probable cause of the discrepancy should be noted on the form upon which the disagreement appears.

201. At stations using the weighing gage the amount of precipitation at the regular a. m. and p. m. observations will, in general, be determined from the record sheet; but, in case of failure of the instrument to properly record, the amount of precipitation will be found by adjusting the sliding weight on the gage until equilibrium is established. The amount of precipitation is then shown by the scale reading, which will be taken to the nearest hundredth only. If a satisfactory scale reading can not be made for any reason the contents of the gage will be emptied into and measured in the tube of the standard 8-inch gage. The recording gage should then be set in operation as soon as practicable.

202. Whenever the gage is emptied at any hour other than noon, the time and the amount of precipitation in it will be entered at the foot of the form. When the sheet is removed the actual amount of precipitation will be entered in the space at the foot of the form, and the trace lines for each twelve hours will be dated at the beginning and ending of the line.

203. The hourly amounts of precipitation will be entered in red ink, near the middle of the hour period, on Form No. 1017 or No. 1028, whichever is used for obtaining the instrumental record; for example, the amount during the hour from 1 to 2 p. m. will be entered near the 1.30 p. m. line on the sheet. In case of precipitation only partly recorded the hourly amounts for the period during which the record was defective will be estimated, if sufficient data are available; otherwise they will be omitted.

204. The totals of the hourly precipitation must in every case equal the total precipitation by stick measurement.

205. In tabulating excessive precipitation data from Forms No. 1017 and No. 1028 for storms in which the rate of fall equals or exceeds the limits shown in the following table, the accumulated amounts for each successive interval of five, ten, fifteen minutes, etc., during which the precipitation continues at an excessive rate will be entered in the table provided for that purpose in the summary, Form No. 1001. Under head "Total duration" will be entered the beginning and ending of precipitation; under "Excessive rate" will be entered the time precipitation began to fall at an excessive rate, which will not be less than 0.05 inch in five minutes irrespective of the printed lines on the form, and the time the precipitation fell below that rate. This, however, must not be construed to mean that short periods during the progress of a storm where the rate falls temporarily below this limit shall be excluded. When the rate falls below the lowest limit, 0.05 inch in five minutes, for a period of thirty minutes or more, the succeeding excessive precipitation will be tabulated separately. Under the heading "Accumulated depths of precipitation," etc., will be entered the accumulated amounts for the respective periods, all periods beginning at the same point of time, which should be identical with that given under "Excessive rate, began—." The tabulation will be continued so long as the excessive rate, as indicated above, continues. When the excessive rate extends beyond one hundred and twenty minutes the tabulation will be made for each fifty minutes separately so long as the excessive rate continues.

Example.

Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during period of time indicated.									
Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.
7.01 a. .	7.51 a. m.	2.66	0.08	0.25	0.38	0.52	0.77	0.88	0.92	1.28	1.42	1.80
7.51 a. m.	8.41 a. m.	.....	2.05	2.24	2.42	2.61	2.82	2.86	2.91	2.94	3.10	3.30
8.41 a. m.	9.31 a. m.	.....	3.53	3.61	3.78	3.92	4.19	4.29	4.35	4.45	4.64	4.70

Table showing limits at which precipitation may be considered as excessive.

Duration in minutes.	Depths of precipitation in inches.	Duration in minutes.	Depth of precipitation in inches.
5	0.25	35	0.55
10	0.30	40	0.60
15	0.35	45	0.65
20	0.40	50	0.70
25	0.45	60	0.80
30	0.50		

206. Storms in which the amount of fall does not equal that given above for any of the periods of time will not be tabulated.

207. In the case of the records from the tipping-bucket gage it must be remembered that in addition to accidental errors due to defective action of the recording mechanisms, there will also frequently be found a discrepancy between the recorded and measured amounts, which is apt to increase with the rate of rainfall, and varies slightly with different gages, and even with the same gage under different circumstances, as regards cleanliness, moisture, etc. The observer must, therefore, apportion the corrections with reference to different rates of rainfall, remembering that hours of heavy rainfall should receive greater corrections than hours in which the rainfall is at a slower rate.

208. In general the method of apportionment illustrated in the following examples will be employed in correcting the automatic records for discrepancies referred to above.

209. Example 1.—The recorded amount of precipitation is 1.14 and the amount of stick measurement 1.23, showing a deficiency in the recorded amount of 0.09. This amount must be added to the record; that is, at the rate of 1 tip for each 12 tips recorded ($1.14 \div 0.09 = 12$; dropping all fractions). Therefore, in each group of 12 recorded tips one extra tip will be added, and the record thus corrected will equal the stick measurement.

210. Example 2.—The recorded amount is 0.86 and the measured amount 0.80, showing an excess in the recorded amount of 0.06. One tip must, therefore, be stricken out in each group of 14 recorded tips (0.86÷0.06=14).

211. In performing the divisions indicated in these examples the observer will always drop all fractions.

212. In many cases the exact point at which a tip is added or stricken out is not of great importance, but, in general, these corrections should be made at those portions of the record showing a noticeably rapid rate.

213. The points at which tips are stricken out in accordance with the foregoing instructions will be indicated on the record sheet by a small cross mark (×) in red ink, and the points where tips are added by a caret (∧) immediately underneath the point; such marks will not be used for any other purpose on the rain-gage record sheets.

214. Stick Measurements.—At noon after each precipitation the water in the weighing gage will be carefully poured into and measured in the measuring tube of the extra gage. If the gage is recording properly, and upon inspection or test is found to be properly balanced, no stick measurements will be made at the time of taking the observation, but the amount of precipitation will be read off from the scale on the gage in accordance with the instructions given in paragraph 59 of Circular E, Instrument Division, and recorded on Form No. 1001. If the gage is not recording properly the amount at each observation will be ascertained by stick measurement, and these values entered on Forms No. 1028 and No. 1001 at each regular observation. Since this gage is generally not emptied at the time of taking an observation, it will rarely occur that the scale reading of the gage will directly give the twelve-hour rainfall called for on Form No. 1001. At the a. m. observation it will be necessary to deduct the scale reading at the last p. m. observation, and at the p. m. observation it will frequently be necessary to add to the scale reading a quantity representing the amount of precipitation that fell between the a. m. observation and the time the gage was emptied at midday. Observers are cautioned against errors in making these entries on Form No. 1001.

RECORDS FROM BAROGRAPHS AND THERMOGRAPHS.

215. Sheets.—Barograph and thermograph sheets will each be clearly marked on the face of the sheet with the name of the station, time on which the records are made (as 75th meridian, 90th meridian, local mean time, etc.), and date, each day's record being dated as near the noon line for that day as practicable.

216. Clocks.—Every effort should be made to properly regulate the clocks to correctly keep time, winding them once a week, or oftener if necessary. The instruments should be inspected each day by the observer and properly adjusted by him when necessary. Whenever they are adjusted a marginal note, stating the fact, will be connected with the proper hour.

217. At the time of adjusting the barograph or thermograph pen, and when changing the record sheet, which will be at an exact hour, standard of time in local use, a reading of the station barometer (or dry thermometer) will be made and entered on the trace sheet. The corrections necessary to reduce the register to the standard at the time of changing the sheet and adjusting the pen, and for all regular and special observations, will be entered on the trace sheets in red ink. The barograph trace should be corrected to agree with the station pressure. When the pen is set higher or lower there will be two corrections, one to apply to the preceding record and one to the following record. The correction to be used for other hours will be determined from the correction card by use of a pin or pins, as explained in paragraphs 223 and 224.

When the pressure or temperature at any particular station is such that the record might pass off the edge of the sheet or not be at all included in the rulings, observers will change the numbering of the lines by some convenient whole number and adjust the pen of the instrument accordingly.

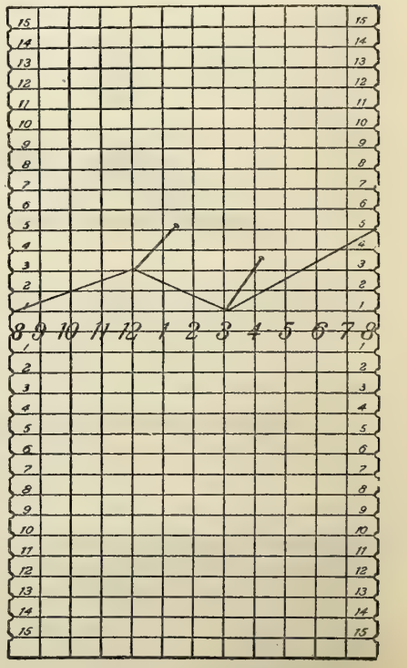
218. Thermograph Time Error.—At the time of taking the a. m. observation the observer will carefully touch with a lead pencil the lever projecting from the thermograph bulb, so as to cause the pen to make a short vertical mark on the sheet. A note will be made on the first sheet for each month stating the time at which the pen is regularly touched. If it is touched more than five minutes from the regular time a note will be entered stating the exact time the mark was made.

219. Barograph Time Error.—If the barograph pen is not touched within five minutes of 12 noon a note will be entered giving the exact time the mark was made.

220. When the instrument is not running on correct time, this will be considered in taking off the data, so that it will be in true standard of time in local use.

221. Correction Card, How Used.—Ascertain the difference between the thermograph reading and the dry bulb thermometer reading at any regular observation under consideration; then set the rubber band on the card in a notch at the left-hand edge corresponding to this difference. If this difference, or correction, must be added to the thermograph reading to make it agree with the dry bulb reading, then the band must be set above the middle line, or, if the difference must be subtracted, set the band below. In a similar manner set the band in a notch at the right-hand edge of the card corresponding to the difference between the thermograph reading and the dry bulb thermometer reading at the next regular observation. The hours on the correction card should be renumbered to agree with the meridian of time in use.

222. The thermograph correction at any hour between the regular observations is the distance above or below the middle line of the point at which the band crosses that particular hour line.



Thermograph correction card.

Example.

Difference at first 8 o'clock observation: +2 (band above middle line).
Difference at next 8 o'clock observation: −3 (band below middle line).

Hourly correction taken to the nearest unit.

9	10	11	12	1	2	3	4	5	6	7
+2	+1	+1	0	0	0	−1	−1	−2	−2	−3

This card also will be used in a similar manner for correcting barograph readings.

223. Eye readings of the thermometer and barometer at exact hours, as provided for in paragraph 217, should be used to check and correct the corresponding recording instruments. If the correction at 12 o'clock, for example, was +3, and at 3 o'clock +1, then if pins be stuck in the card at these points the rubber band may be deflected in the manner shown in the figure, and a complete series of corrections for the twelve-hour period from 8 a. m. to 8 p. m., 75th meridian time, determined.

224. The readings of the maximum and minimum thermometers at 8 a. m. and at 8 p. m., 75th meridian time, should also be used in connection with the 8 a. m. and 8 p. m., 75th meridian time, and all other readings of the dry thermometer, in order to determine the corrections to be applied to the thermograph trace throughout the 24 hours.

225. These corrections will also be entered on the trace sheet, and will not be accompanied by explanatory phrases such as "correction at time of max.," "correction at time of min.," "correction at 8 a. m.," etc., as these unnecessary entries confuse the record.

226. The corrections thus determined should also be entered in red ink on page 5, Form No. 1001, at the time the dry thermometer was read, or at the hour nearest the time of occurrence of the extremes, as shown by the trace sheet, giving the preference to the previous hour whenever there is uncertainty as to which hour is nearest the time of maximum or minimum, as the case may be.

227. When the maximum or minimum temperature occurs exactly at 8 a. m. or 8 p. m., 75th meridian time, the thermograph correction for that hour will be determined from the reading of the dry thermometer only.

FORM No. 1030.

228. The mean temperature for the month will be obtained by dividing the sum of the mean maximum and mean minimum by 2 and will be entered at the foot of the column headed "Mean."

229. The pressure and precipitation will be recorded to hundredths; temperature to nearest whole degree, except in case of the monthly means at the foot of the first three columns, normal for this month, and the average daily excess or deficiency, which will be carried to tenths. The accumulated excess or deficiency since January 1 will be the same as that recorded on page 8, Form No. 1001.

230. The average daily excess or deficiency since January 1 will be obtained by dividing the accumulated amount on the date desired by the number of days since January 1, viz, if the accumulated excess on February 28 is 51, divide it by 59, the number of days since January 1, which gives +0.9 for the average daily excess.

231. When four copies or less are issued the form may be prepared by using carbon paper and a hard lead pencil. At stations possessing the necessary printing facilities the information may be published on blank sheets not larger than the standard form, or on cards not larger than one fold (one-fourth part) of the form; but no data called for by the standard form should be omitted, and the designation "Form No. 1030—Met'l" should appear at the top of the sheet or card and on the briefing fold of the sheet. A copy will be furnished each of the local papers and to such persons as are authorized; one copy will be forwarded to the Central Office also on the first day of the succeeding month.

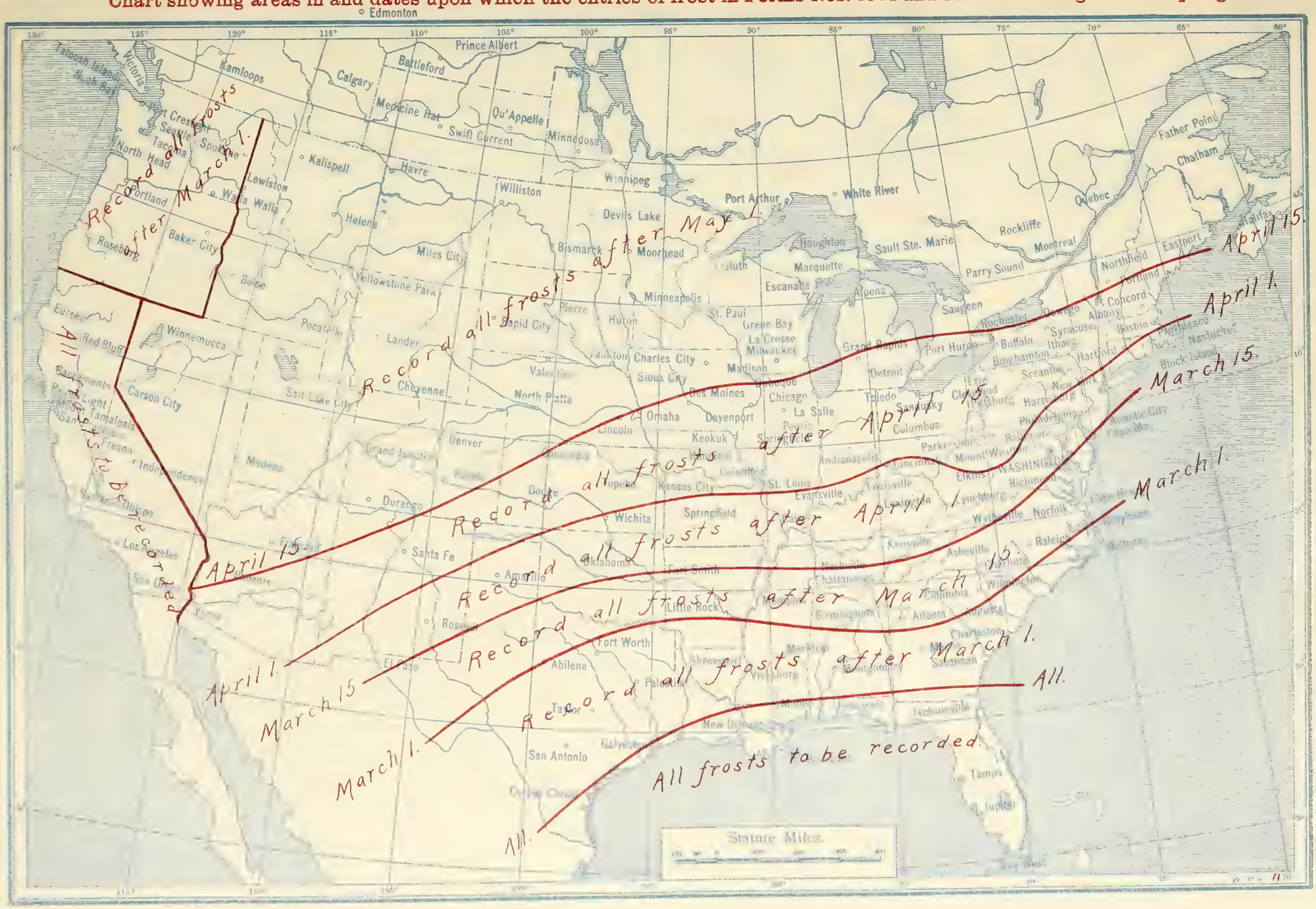
232. When used for the Pacific Coast the average and excess or deficiency of precipitation will be computed from September 1.

233. A blank column has been provided for sunshine, snowfall, or such other data as may be desired.

FORM No. 1083.

234. Form No. 1083 will be carried when taking an observation and the data entered immediately thereon.

Chart showing areas in and dates upon which the entries of frost in Forms Nos. 1001 and 1014—Met'l begin in the spring.



Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of January, *191*6

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, ____; sum of corrections, ____; date and observation upon which use of station barometer commenced, ____, station elevation, ____ feet; actual elevation, ____ feet.

Location of office: Number ____ street, room ____; first observation taken in present office, ____ m. ____, 191

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	70.0	29.112	-.118	28.994	29.93	40.2	40.2	40	100	.247	40.2	36.9	SW	5			.26	10	Nb	SW	Lt. Rain		J.H.C.	1
2	65.0	29.084	-.104	28.980	29.92	32.0	30.8	29	88	.157	52.7	32.0	W	24	37	W	T	10	St	W	Cloudy		J.H.C.	2
3	68.0	29.532	-.114	29.418	30.38	24.0	22.2	18	77	.093	33.4	23.2	NW	12			0	10	St	NW	Cloudy		J.H.C.	3
4	67.0	29.458	-.111	29.347	30.31	30.0	27.8	24	76	.124	30.4	24.4	S	12			0	9	St	S	Cloudy		J.H.C.	4
5	64.0	28.781	-.101	28.680	29.60	50.9	49.7	48	92	.334	50.9	43.2	SW	24	34	SW	.26	10	St	SW	Cloudy		J.H.C.	5
6	62.0	29.423	-.098	29.325	30.29	13.6	12.2	8	74	.057	27.0	13.6	NW	12	30	W	T	10	St	NW	Cloudy		J.H.C.	6
7	64.5	29.559	-.105	29.454	30.42	16.8	15.0	10	71	.063	20.4	16.6	NE	2			0	10	St	NE	Cloudy		J.H.C.	7
8	65.0	29.774	-.107	29.667	30.65	18.0	17.2	15	87	.081	22.8	16.6	E	1			0	0	0	0	Clear		J.H.C.	8
9	67.5	29.451	-.113	29.338	30.30	25.2	23.0	18	73	.093	31.8	24.7	SE	12			0	4	A.St.	NW	Pt. Cloudy		J.H.C.	9
10	59.0	28.828	-.088	28.740	29.67	44.2	44.2	44	100	.287	44.2	38.1	SW	18	29	S	.02	10	Nb	SW	Lt. Rain		J.H.C.	10
11	65.0	29.270	-.105	29.165	30.11	26.2	24.0	19	73	.098	38.0	26.0	N	8			0	10	St	N	Cloudy		J.H.C.	11
12	70.0	28.941	-.118	28.823	29.76	32.0	32.0	32	100	.180	32.0	26.2	E	12			.72	10	Nb	E	Lt. Rain		J.H.C.	12
13	65.0	29.476	-.106	29.370	30.34	1.4	0.8	-3	81	.032	35.4	1.2	W	14	36	SW	T	1	St	W	Clear		J.H.C.	13
14	64.5	29.733	-.105	29.628	30.64	1.4	-0.1	-8	60	.025	3.2	0.3	W	8			0	0	0	0	Clear		J.H.C.	14
15	67.0	29.484	-.111	29.373	30.35	17.2	15.6	11	74	.066	17.2	12.8	S	7			0	10	St	S	Cloudy		J.H.C.	15
16	69.0	29.223	-.116	29.107	30.07	9.6	8.2	2	70	.042	26.7	9.6	W	10			T	10	Nb	W	Lt. Snow		J.H.C.	16
17	64.5	29.370	-.104	29.266	30.27	-8.0	-9.2	-23	43	.011	0.0	-8.2	SW	14			0	0	0	0	Clear		J.H.C.	17
18	62.0	29.241	-.097	29.144	30.13	5.0	3.2	-7	53	.026	11.2	5.0	SW	14	26	W	T	0	0	0	Clear		J.H.C.	18
19	58.0	29.563	-.087	29.476	30.47	2.4	0.8	-9	54	.023	9.2	1.1	SW	12			0	0	0	0	Clear		J.H.C.	19
20	62.0	29.289	-.098	29.191	30.15	33.2	33.2	33	100	.187	33.2	20.4	SW	16	26	SW	.28	10	Nb	SW	Lt. Rain		J.H.C.	20
21	65.5	29.282	-.107	29.175	30.12	45.9	44.2	42	88	.266	45.9	37.6	S	14			.30	2	St	S	Clear		J.H.C.	21
22	68.0	29.195	-.113	29.082	30.01	39.8	38.3	37	88	.219	57.6	39.8	W	16			.19	10	St	W	Cloudy		J.H.C.	22
23	65.5	29.616	-.107	29.509	30.47	29.2	26.5	21	70	.108	40.0	28.8	SW	4			0	6	A.St.	W	Pt. Cloudy		J.H.C.	23
24	68.5	29.428	-.115	29.313	30.26	34.2	32.2	29	81	.157	41.2	33.4	S	8			0	1	A.St.	S	Clear		J.H.C.	24
25	69.0	29.358	-.116	29.242	30.17	42.9	40.6	38	83	.228	46.6	42.2	S	8			0	10	Ci.St.	S	Cloudy		J.H.C.	25
26	68.0	29.424	-.114	29.310	30.25	47.0	45.8	45	91	.298	50.0	44.3	SE	7			0	10	St	SW	Cloudy		J.H.C.	26
27	69.5	29.275	-.117	29.158	30.09	57.8	57.8	58	100	.482	57.8	52.2	SE	12			.20	10	Nb	SE	Lt. Rain		J.H.C.	27
28	72.5	29.574	-.126	29.448	30.40	28.3	26.0	22	74	.113	52.6	26.1	W	12			0	10	St	W	Cloudy		J.H.C.	28
29	67.5	29.467	-.113	29.354	30.31	31.2	31.2	31	100	.172	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	29
30	[illegible]	29.140	-.116	[illegible]	30.02	40.2	40.2	40	100	.247	40.2	33.0	N	2			.64	10	Nb.	N	Lt. Rain		J.H.C.	30
31	[illegible]	28.741	[illegible]	[illegible]	[illegible]	[illegible]	38.2	38	86	.228	53.4	38.8	SW	14			.10	10	St	SW	Cloudy		[illegible]	31
Sums	(a)	(a)	(a)	905.972	935.61	803.0	813.3	702	2507	4744	(a)	(a)	(a)	350	(a)	(a)	3.57	223	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.225	30.181	27.5	26.2	[illegible]	80.9	.153	(a)	(a)	(c) SW	11.3	(a)	(a)	(a)	7.2	(c) [illegible]	(c) SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	71.5	28.824	.120	28.704	29.62	49.2	49.2	49	100	.347	49.2	40.2	S	14			.86	-D	Fog	S	Foggy	B7.50A E9.10A	B9.10A EIN P	H.C.	1
2	70.0	29.313	.119	29.194	30.13	33.4	28.4	19	52	.098	37.3	31.3	SW	12	27	W	0	0	0	0	Clear			H.C.	2
3	75.0	29.650	.134	29.516	30.49	30.4	28.0	24	74	.124	32.8	23.6	SW	4			0	0	0	0	Clear			P.Mead	3
4	72.0	29.116	.123	28.993	29.94	44.0	42.1	40	86	.247	46.2	30.0	SW	14			T	10	St	SW	Cloudy			P.Mead	4
5	69.0	29.116	.115	29.001	29.94	27.0	24.0	18	65	.093	55.0	27.0	NW	19	35	W	.14	0	0	0	Clear			P.Mead	5
6	70.5	29.482	.121	29.361	30.34	20.0	17.0	8	56	.057	20.0	12.8	SW	8			T	10	St	SW	Cloudy			P.Mead	6
7	72.0	29.770	.126	29.644	30.62	22.8	20.3	14	66	.077	27.0	16.4	NE	8			0	0	0	0	Clear			P.Mead	7
8	72.0	29.700	.126	29.574	30.54	31.8	28.4	23	65	.118	35.7	18.0	SE	5			0	2	Ci.St.	NW	Clear			P.Mead	8
9	67.0	28.975	.110	28.865	29.81	39.2	39.2	39	100	.237	39.8	25.2	S	18	26	S	T	10	Nb	S	Lt. Rain			H.C.	9
10	69.0	29.054	.115	28.939	29.88	38.0	36.3	34	85	.195	45.4	38.0	W	9			.02	10	St	W	Cloudy			P.Mead	10
11	73.0	29.280	.126	29.154	30.11	26.7	26.2	26	94	.136	28.4	26.2	NE	17			.16	10	Nb	E	Lt Snow			P.Mead	11
12	70.5	28.848	.118	28.730	29.67	35.4	34.9	34	95	.195	58.3	32.0	SW	14			.58	10	Nb	SW	Lt. Rain	Snow		P.Mead	12
13	70.0	29.684	.120	29.564	30.57	3.2	1.0	-15	38	.017	7.9	0.0	SW	8			0	0	0	0	Clear			P.Mead	13
14	73.5	29.740	.130	29.610	30.60	15.0	13.0	6	65	.052	15.8	0.9	SW	5			0	0	0	0	Clear			P.Mead	14
15	74.5	29.215	.130	29.085	30.04	26.7	24.2	19	70	.098	26.9	15.6	S	9			.20	10	St	S	Cloudy			P.Mead	15
16	70.5	29.275	.120	29.155	30.15	0.0	-1.8	-16	42	.016	9.6	0.0	W	14			T	0	0	0	Clear			H.C.	16
17	71.5	29.336	.122	29.214	30.21	5.8	5.0	1	80	.040	8.8	-8.3	SW	10			0	0	0	0	Clear			P.Mead	17
18	74.0	29.490	.117	29.373	30.36	9.2	8.0	3	73	.044	13.7	5.0	SW	13	28	W	0	0	0	0	Clear			P.Mead	18
19	69.5	29.584	.118	29.466	30.45	20.9	20.4	19	93	.098	22.3	2.4	SE	12			T	10	Nb	SE	Lt Snow			P.Mead	19
20	70.5	29.406	.121	29.285	30.23	37.6	37.1	37	96	.219	38.0	33.2	SW	10	31	SW	.08	10	Nb	SW	Lt. Rain			P.Mead	20
21	69.5	29.100	.116	28.984	29.91	57.4	55.9	55	91	.432	61.4	45.9	SW	18	30	S	T	10	St	SW	Cloudy			P.Mead	21
22	72.5	29.482	.126	29.356	30.31	40.0	39.0	38	92	.228	45.9	37.6	W	9			0	0	0	0	Clear			P.Mead	22
23	72.5	29.542	.126	29.416	30.38	41.2	36.2	29	62	.157	47.8	29.2	SE	8			0	0	0	0	Clear			H.C.	23
24	71.5	29.360	.122	29.238	30.18	46.2	43.1	40	78	.247	53.0	34.2	S	14			0	0	0	0	Clear			P.Mead	24
25	69.0	29.400	.117	29.283	30.22	50.0	46.3	43	76	.277	55.8	42.7	S	12			0	0	0	0	Clear			P.Mead	25
26	71.0	29.435	.122	29.313	30.25	53.2	52.1	51	93	.373	58.6	47.0	SE	8			T	3	St	SE	Clear			P.Mead	26
27	73.0	29.356	.126	29.230	30.16	52.6	52.0	51	96	.373	65.3	52.6	SW	16	38	S	.24	10	St	SW	Cloudy			P.Mead	27
28	72.0	29.472	.126	29.346	30.41	31.4	30.1	29	89	.157	32.7	28.3	NE	10			0	10	St	NE	Cloudy				28
29	71.0	29.312	.121	29.191	30.14	33.0	33.0	33	100	.157	33.0	31.7	E	9			.16	10	Nb	E	[illegible]			M.L.	29
30	75.0	29.022	.121	28.901	29.84	39.3	39.3	39	100	.237	40.2	38.1	NE	12			.47	10	Nb						30
31	74.5	29.310	.130	29.180	30.12	30.0	29.5	29	95	.157	41.2	30.0	W	10			0	10	St	W	Cloudy			P.Mead	31
Sums	(a)	(a)	(a)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(a)	(a)	(a)	[illegible]	(a)	(a)	[illegible]	[illegible]	(a)	(a)	(a)	2	1	(a)	(a)
Means	(a)	(a)	(a)	29.225	30.181	32.0	30.7	26.1	79.6	.172	(a)	(a)	(c) SW	11.3	(a)	(a)	(a)	.50	(c) St.	(c) SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1916

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	55	39	14	13	46																1.12				0	0	1.4	0	1
2	48	30	18	7	39																0				0	0	T	0	2
3	33	23	10	11	28																0				0	0	T	0	3
4	47	25	22	8	36																.26				0	0	T	0	4
5	55	14	41	2	34																.14				0	0	0	0	5
6	20	13	7	18	16																T				0	T	0	T	6
7	27	16	11	6	22																0				0	0	0	0	7
8	36	17	19	4	26																0				0	0	0	0	8
9	40	25	15	6	32																T				0	0	0	0	9
10	45	28	17	4	36																.04				0	0	0	0	10
11	30	26	4	8	28																.44 X				0	1.9	1.2	.19 X	11
12	58	12	46	7	35																1.02 X				0.3	0.4	0	T	12
13	12	0	12	24	6																0				0	T	T	0	13
14	16	0	16	2	8																0				0	0	T	0	14
15	27	14	13	12	20																.20				0	4.5	4.5	.20	15
16	21	-4	25	12	8																T				0	T	4.3	T	16
17	11	-8	19	6	2																T				0	0	4.0	T	17
18	14	2	12	6	8																0				0	T	3.6	0	18
19	23	1	22	4	12																.24 X				0	T	3.2	.24 X	19
20	41	23	18	20	32																.42 X				0	3.0	T	0	20
21	61	41	20	19	51																.19				0	0	0	0	21
22	53	34	19	7	44																0				0	0	0	0	22
23	48	29	19	6	38																0				0	0	0	0	23
24	53	33	20	5	43																0				0	0	0	0	24
25	56	42	14	6	49																0				0	0	0	0	25
26	59	44	15	3	52																T				0	0	0	0	26
27	65	35	30	2	50																.44				0	0	0	0	27
28	35	26	9	20	30																T				0	0	0	0	28
29	34	28	6	1	31																.20 X				0	0	0	0	29
30	45	34	11	9	40																1.75 X				0	0	0	0	30
31	53	23	30	2	38																.02 X				0	0	0	0	31
S	1.19	6.02	53.1	2.5	1.40		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	6.48		Total excess or deficiency since January 1,		0.3	9.8	(a)	(a)	(a)
M	39.3	-1.5	17.9	8.5	20.3	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

X Estimated

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SUMMARY FOR THE MONTH OF _____, 191

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .005)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.225	29.225	29.225	29.680	8	28.550	5	1.130	30.181	30.181	30.181	30.66	8	29.46	5	1.20

Corrected mean 29.220 — Corrected mean 30.176 — 3,500-ft ____ — 10,000-ft ____

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
27.5	32.0	29.8	26.2	30.2	28.2	39.2	21.5	30.4	—	—	—	65	27	-8	17	73	46	12	4	11

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative Humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor Pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
22.6	26.4	24.5	80.9	79.6	80.2	.153	.172	.162	10	0	23	2

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
9373	126	SW	38	S	27	2	5	4	7	10	21	10	3	

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
7.2	5.0	6.6	23	7	8	16	0	2	12

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
not recorded			None	None	19	none	1, 12	1	none	none	none	none		

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
6.48	1.75	30		None			none		6	14	13	7	3	20	4	3		

* Tipping bucket gage not in use account of freezing weather.

(w) Maximum precipitation in 5 minutes ___x___, date ___x___; 10 minutes ___x___, date ___x___; 15 minutes ___x___, date ___x___;

30 minutes ___x___, date ___x___; 1 hour ___x___, date ___x___; 2 hours ___x___, date ___x___.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

* The duration is the time precipitation was actually recorded.

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Prepared by _____ C. M. Thomas, _____, *Weather Bureau.*

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1916

Number of Station barometer, 656; sum of corrections, +.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
5	1:00 PM	12:00 M	67.0	28.690	.109	28.581	29.49	52.6	51.6	51	2	94	55.0	SW	28	34	SW	.02	10	Nb	W	Lt. Rain	Called for by C.O.	PMed	5
7	1:40 PM	12:40 PM	66.5	29.242	.109	29.133	30.08	35.6	32.6	29	7	73	35.6	[illegible]	24	24	S	0	10	St	SW	Cloudy	Falling pressure	PMed	7
16	1:00 PM	12:00 M	69.0	29.218	.116	29.102	30.07	8.0	6.8	1	7	72	7.6	W	15	22	W	T	10	St	W	Cloudy	Called for by C.O.	HWC	16
25	1:00 PM	12:00 M	69.0	29.361	.116	29.245	30.17	54.0	48.1	42	12	65	54.0	SW	16	20	SW	0	6	Ci. Cu	SW	Lt Cloudy	Called for by C.O.	HWC	25
27	1:00 PM	12:00 M	73.0	29.192	.126	29.066	29.99	65.0	60.0	57	8	75	65.3	S	26	36	S	T	10	St	S	Cloudy	Called for by C.O.	HWC	27
3	2 PM	1 PM				28.550	27.46	45.0																	
1	[illegible]	[illegible]				29.680	30.66	[illegible]																	

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of February, *1916*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date no; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911, 7 00 A.M., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 911 912; first observation taken in present office, 7.00 A.m. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 191[illegible]

Number of Station barometer, 606; sum of corrections, .004 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO ..... A. M. ..... MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; ..... A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	66.0	[illegible]	[illegible]	[illegible]	30.05	2.2	1.4	[illegible]	80	.052	30.0	0.2	[illegible]	[illegible]			0	1	St	[illegible]	Clear		[illegible]	1
2	68.0	29.600	.114	29.486	30.47	13.4	13.3	12	89	.070	14.2	12.1	N	4			T	10	St	N	Cloudy		P. Mead	2
3	[illegible]	[illegible]	[illegible]	[illegible]	30.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	3
4	62.0	29.730	.099	29.631	30.62	7.6	7.0	-5	86	.049	15.2	7.6	SW	8			0	1	St	SW	Clear		P. Mead	4
5	65.0	29.180	.105	29.075	30.03	33.0	32.5	32	95	.180	33.0	25.2	SW	16			.04	10	Nb	W	Lt Snow		P. Mead	5
6	67.0	29.216	.110	29.106	30.07	20.6	20.1	19	93	.098	22.0	18.9	NE	2			.16	10	Nb	NE	Lt Snow		P. Mead	6
7	65.5	29.380	.107	29.273	30.25	2.0	1.4	-2	82	.034	24.2	2.0	W	16	30	W	.01	0	0	0	Clear		P. Mead	7
8	65.0	29.458	.106	29.352	30.34	5.0	3.8	-2	69	.034	8.8	1.2	SE	6			0	10	St	SE	Cloudy		P. Mead	8
9	66.0	29.316	.108	29.208	30.17	22.8	20.3	14	66	.077	25.7	22.8	N	8			T	10	St.	N	Cloudy		P. Mead	9
10	64.0	29.610	.103	29.507	30.48	19.4	17.6	12	72	.070	23.8	18.6	NW	4			0	9	St. Ci. St.	NW	Cloudy		P. Mead	10
11	69.5	29.411	.118	29.293	30.25	24.0	23.4	23	93	.118	27.0	24.0	E	4			0	5	St. Cu.	W E	Cloudy		P. Mead	11
12	69.5	29.262	.117	29.145	30.09	23.4	22.4	20	87	.103	31.8	23.4	NE	14			0	10	St.	NE	Cloudy		P. Mead	12
13	69.0	29.638	.118	29.520	30.49	13.8	13.0	11	85	.066	24.2	13.8	N	10			T	10	St.	N	Cloudy		P. Mead	13
14	72.5	29.866	.127	29.739	30.74	5.0	4.6	3	89	.044	14.2	5.0	NE	2			0	0	0	0	Clear		P. Mead	14
15	70.5	29.630	.122	29.508	30.48	18.3	17.6	16	89	.085	22.0	16.8	SW	10			0	9	St. Cu.	SW	Cloudy		P. Mead	15
16	73.0	29.338	.126	29.212	30.17	23.0	21.1	16	74	.085	30.8	18.1	SW	10			0	2 St. 2 St.	NW SW	Pt. Cloudy		P. Mead	16
17	71.0	29.109	.120	28.989	29.94	31.0	30.5	30	95	.164	39.4	30.6	NW	4			0	4 Ci. Cu. Lt Fog	W NW	Cloudy		[illegible]	17
18	67.0	28.990	.110	28.880	29.82	36.3	34.8	32	87	.180	39.4	35.4	NW	16			T	9	St. Cu.	NW	Cloudy		P. Mead	18
19	69.0	29.223	.116	29.107	30.07	19.0	18.0	15	85	.081	19.2	15.6	SW	12			0	7	St. Cu.	SW	Pt. Cloudy		P. Mead	19
20	67.0	28.887	.110	28.777	29.72	33.6	32.1	30	86	.164	35.4	30.7	SW	10			0	3	Ci. St.	NW	Clear		P. Mead	20
21	68.0	29.494	.114	29.380	30.35	17.0	16.0	13	84	.074	33.2	14.4	E	8			0	8	St. Cu.	E	Cloudy		P. Mead	21
22	71.5	29.190	.122	29.068	30.02	32.6	31.1	29	85	.157	32.6	29.0	S	6			0	0	0	0	Clear		P. Mead	22
23	72.5	29.132	.125	29.007	29.95	34.7	34.2	34	95	.195	51.6	34.7	NE	16			.14	10	St.	NE	Cloudy		P. Mead	23
24	[illegible]	[illegible]	.112	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			24
25	70.5	28.944	.119	28.825	29.76	33.0	31.0	28	80	.150	38.0	33.0	NW	17			0	10	St.	NW	Cloudy		P. Mead	25
26	69.0	28.785	.114	28.671	29.62	26.4	26.4	26	100	.136	26.4	24.9	W	12			T	10	Nb.	W	Lt Snow		P. Mead	26
27	65.0	29.092	.104	28.988	29.95	18.8	17.0	12	72	.070	22.0	18.0	NW	12	27	NW	T	8	St. Cu.	NW	Cloudy		P. Mead	27
28	70.5	29.230	.120	29.110	30.07	16.0	14.6	10	76	.063	19.8	14.2	SW	4			0	6 Ci. St. 3 St	W SW	Cloudy		P. Mead	28
29	70.5	29.106	.119	28.987	29.95	23.4	22.4	20	87	.103	26.3	21.3	W	7			T	8	St. Cu.	W	Cloudy		P. Mead	29
30																								30
31																								31
Sums		(a)	(a)	846.730	874.06	599.6	564.5	493	2457	2.874	(a)	(a)	(a)	273	(a)	(a)	0.35	199	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.198	30.161	20.7	19.6	17.0	84.6	.099	(a)	(a)	(c) SW	9.4	(a)	(a)	(a)	6.9	(c) St.	(c) W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 191_

Number of Station barometer, 636; sum of corrections, [illegible] inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO _____ P. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.	[illegible]
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.									
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	0	0	0	[illegible]			[illegible]	1	
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			T	1	[illegible]	[illegible]	[illegible]			[illegible]	2	
3	65.0	29.680	.107	29.573	30.56	45.2	43.0	-5	61	.049	20.2	7.8	W	14	27	SW	0	0	0	0	Clear			H.F.C.	3	18	59
4	68.5	29.500	.115	29.385	30.36	26.0	24.4	22	80	.113	26.8	7.6	SE	10			.01	10	St	SE	Cloudy			H.F.C.	4	22	59
5	67.0	29.341	.111	29.230	30.18	22.0	19.6	13	66	.074	34.0	22.0	W	8	33	W	T	4	St	W	Pt. Cloudy			H.F.C.	5	28	66
6	69.5	29.156	.117	29.039	30.00	24.2	23.7	23	94	.118	28.1	20.2	W	14			.08	10	Nb	W	Lt. Snow			P.Mon.	6	25	77
7	67.0	29.586	.111	29.475	30.47	8.8	8.0	-5	82	.049	11.2	1.1	W	6			0	0	0	0	Clear			H.F.C.	7	[illegible]	[illegible]
8	68.5	29.175	.114	29.061	30.03	24.0	24.0	24	100	.124	24.0	-5.0	SW	10			T	10	Nb	SW	Misting			H.F.C.	8	13	63
9	68.5	29.520	.115	29.405	30.37	23.8	22.3	19	81	.098	31.7	22.8	NW	10			0	4	St	NW	Pt. Cloudy			H.F.C.	9	27	70
10	70.0	29.550	.119	29.431	30.40	27.0	24.1	18	66	.093	28.7	19.4	N	4			0	10	St.	N	Cloudy			H.F.C.	10	26	75
11	71.0	29.310	.121	29.189	30.14	31.8	29.8	27	79	.143	43.7	24.0	NE	10			0	10	St	NE	Cloudy			H.F.C.	11	43	56
12	71.0	29.386	.122	29.264	30.22	24.2	23.7	23	94	.118	24.2	22.1	N	12			T	10	Nb	N	Lt. Snow			H.F.C.	12	23	93
13	75.5	29.824	.135	29.689	30.68	14.2	13.0	9	78	.060	19.4	12.6	N	8			0	0	0	0	Clear			P.Mon.	13	17	77
14	73.0	29.729	.128	29.601	30.58	22.0	19.2	12	61	.070	25.2	-5.0	S	8			0	0	0	0	Clear			H.F.C.	14	21	57
15	72.0	29.508	.125	29.383	30.35	30.8	28.3	24	74	.124	34.0	18.3	S	6			0	0	0	0	Clear			H.F.C.	15	30	68
16	67.5	29.088	.111	28.977	29.93	39.4	37.0	-4	81	.145	46.2	[illegible]	SW	14			0	2	Cist.	W	Clear			H.F.C.	16	42	62
17	70.0	29.065	.118	28.947	29.96	37.4	33.4	37	72	.219	44.1	30.4	NW	4			T	10	St	NW	Cloudy	7.6-30.4 8.5-30.4 1-7.00 1-6.30		H.F.C.	17	41	77
18	69.0	29.306	.116	29.190	30.14	19.2	18.0	15	82	.081	36.4	19.2	NW	16	[illegible]	[illegible]	T	4	St	NW	Pt. Cloudy			H.F.C.	18	31	75
19	69.0	29.042	.115	28.927	29.94	32.0	29.9	27	78	.143	32.0	19.0	SW	4			T	2	Cl	W	Clear			H.F.C.	19	29	94
20	70.0	29.240	.118	29.122	30.07	33.2	31.9	30	87	.164	38.0	33.2	N	8			T	10	St	N	Cloudy			P.Mon.	20	37	87
21	73.0	29.367	.126	29.241	30.20	31.4	30.0	28	85	.150	32.3	17.0	SE	6			0	0	0	0	Clear			H.F.C.	21	27	76
22	74.0	29.022	.128	28.894	29.83	51.6	49.1	47	84	.322	56.0	32.6	SW	2			0	10	St	SW	Cloudy			P.Mon.	22	52	72
23	[illegible]	[illegible]	[illegible]	[illegible]		34.[illegible]	32.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	23	33	90
24	74.0	28.950	.128	28.822	29.76	38.0	34.2	29	69	.157	40.6	28.0	NW	-5			0	2	St	NW	Clear			H.F.C.	24	33	71
25	73.5	28.970	.127	28.843	29.79	26.0	24.2	21	78	.108	33.0	26.0	W	12			T	10	Nb	W	Lt. Snow			H.F.C.	25	29	75
26	70.0	28.936	.118	28.818	29.77	22.0	20.3	16	76	.085	28.2	22.0	NW	20			.01	10	Nb	NW	Lt. Snow			H.F.C.	26	28	60
27	70.0	29.231	.118	29.113	30.07	19.8	17.0	9	59	.060	22.3	17.2	NW	10			T	0	0	0	Clear			P.Mon.	27	22	59
28	71.0	29.080	.120	28.960	29.92	26.3	23.8	19	69	.098	27.8	16.0	SE	4			0	10	St	SE	Cloudy			H.F.C.	28	25	50
29	72.0	29.217	.124	29.093	30.05	27.2	24.2	18	65	.093	32.4	23.4	NW	5			T	0	0	0	Clear			H.F.C.	29	27	56
30																									30		
31																									31		
Sums	(a)	(a)	(a)	846.724	874.03	764.4	704.7	592	2218	3362	(a)	(a)	(a)	260	(a)	(a)	0.10	144	(a)	(a)	(a)	1	1	(a)	(a)	787	1876
Means	(a)	(a)	(a)	29.198	30.160	26.4	24.5	20.4	76.5	.114	(a)	(a)	(c) NW	9.0	(a)	(a)	(a)	50	(c) St.	(c) NW	(a)	(a)	(a)	(a)	(a)	27.1	70.7

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of February, 1916.

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																			In.				In.	In.	In.	In.	
1	23	9	14	22	16																			0				0	0	0	0	1
2	21	12	9	0	16																			T				0	T	0	T	2
3	20	6	14	3	13																			0				0	0	0	0	3
4	27	8	19	5	18																			.01				0	0.2	0.2	.01	4
5	34	20	14	9	27																			.04				0	0.6	0.5	.04	5
6	28	15	13	5	22																			.25				0	2.8	2.9	.25	6
7	15	1	14	14	8																			0				0	0.1	2.6	0	7
8	26	3	23	6	14																			T				0	0	2.5	0	8
9	32	20	12	12	26																			0				0	0	2.0	0	9
10	29	19	10	2	24																			0				0	0	1.4	0	10
11	44	24	20	10	34																			0				0	0	T	0	11
12	24	19	5	12	22																			T				0	T	T	T	12
13	19	7	12	9	13																			0				0	T	T	0	13
14	25	5	20	2	15																			0				0	0	T	0	14
15	34	17	17	11	26																			0				0	0	T	0	15
16	46	18	28	6	32																			0				0	0	0	0	16
17	44	30	14	5	37																			T				0	0	0	0	17
18	38	16	22	10	27																			T				0	T	T	T	18
19	32	16	16	3	24																			T				0	T	T	T	19
20	38	20	18	5	29																			T				0	0	0	0	20
21	32	14	18	6	23																			0				0	0	0	0	21
22	36	29	27	19	42																			T				0	0	0	0	22
23	44	28	16	6	36																			.14				0	0	0	0	23
24	41	28	13	2	34																			0				0	0	0	0	24
25	35	25	10	4	30																			T				0	T	T	T	25
26	28	21	7	6	24																			.01				0	0.2	0.1	.01	26
27	22	16	6	5	19																			T				0	T	T	T	27
28	28	14	14	2	21																			T				0	0	0	T	28
29	32	20	12	5	26																			T				0	T	0	T	29
30																																30
31																																31
S	917	480	437	206	698		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(c)	(a)	(a)	(a)	045					Total excess or deficiency since January 1,	0	3.9	(a)	(a)	(a)
M	31.6	16.6	15.1	7.1	24.1	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. ††T indicates trace of precipitation. ‡‡Enter the local standard time of observation. *Inches and tenths.

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SUMMARY FOR THE MONTH OF February, 1916

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.198	29.198	29.198	29.750	14	28.660	26	1.090	30.161	30.160	30.160	30.75	14	29.61	26	1.14
Corrected mean		29.193						Corrected mean		30.155	3,500-ft.		—	10,000-ft.	—

TEMPERATURE.

MEAN. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
20.7	26.4	23.6	19.6	24.5	22.0	31.6	16.6	24.1	-	-	-	56	22	1	7	55	28	16	5	12

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
17.0	20.4	18.7	84.6	76.5	80.6	.099	.116	.108	16	0	29	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
7320	10.5	SW	34	NW	18	8	6	2	4	3	12	9	14	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.9	5.0	7.0	34	4	8	17	0	1	4

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	22	None	None	16	17	17	22	None	None	None	None	None

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
0.45	0.25	6		None			None		12	5	3	1	0	17	12	4	39	0

Tipping bucket rain gage not opposed during month account of freezing weather

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
					None															

* The duration is the time precipitation was actually recorded.

8—154

Prepared by P. McDonough L. F., Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., *for the Month of* ....., *191*

Number of Station barometer, ...; *sum of corrections,* ..... *inch.*

SPECIAL OBSERVATIONS.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
5	12:00 M	11:00 AM	67.5	29.212	.112	29.100	30.05	31.2	28.2	23	8	69	34.0	SW	24	28	W	T	2	St	SW	Clear	Cold for [illegible]	[illegible]	5
8	2:00 PM	1:00 PM	69.5	29.244	.117	29.127	30.10	16.0	14.0	8	8	66	16.0	SE	9			0	10	St	SE	Cloudy	Falling Pressure	(P.Mer.)	8
11	12:00 M	11:00 AM	73.0	29.312	.124	29.188	30.14	40.5	36.0	30	10	64	40.5	SW	6			0	10	St. Cu.	SW	Cloudy	Called for by "C.A."	[illegible]	11
18	[illegible]	[illegible]	70.0	29.020	.118	28.902	29.85	36.0	33.4	30	6	77	36.3	NW	14			T	10	St.	NW	Cloudy	Called for by "C.A."	[illegible]	18
20	[illegible]	[illegible]	67.5	28.992	.111	28.881	29.83	37.4	36.4	35	2	91	37.4	W	10			0	10	St.	W	Cloudy	Called for by "C.A."	[illegible]	20
24	9:00 A	8:00 A				29.750	30.75	9.0																	24
26	1:30 P	12:30 P				28.660	29.61	27.0																	26

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of March, 1916

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date No; amount of change in height of barometer, — feet (higher or lower).

No. of extra barometer 675; sum of corrections, -017; date and observation upon which use of station barometer commenced, May 20, 1911, 7 00 A. M., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 711-712; first observation taken in present office, 7 00 A. M. May 20, 1911.

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 3—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 1916

Number of Station barometer, 656; sum of corrections, -.004 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO [illegible] A. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.0	29.281	-.113	29.168	30.13	18.0	16.8	14	81	.077	27.2	16.3	E	6			0	10	A.St.	E	Cloudy		H.F.C.	1
2	69.0	29.164	-.116	29.048	30.01	19.0	18.0	15	85	.081	22.5	18.7	N	6			.03	10	St	N	Cloudy		H.F.C.	2
3	[illegible]	[illegible]	[illegible]	29.194	30.16	12.2	11.0	7	76	.034	21.2	7.8	N	4			0	10	St	N	Cloudy		H.F.C.	3
4	64.5	29.400	-.105	29.295	30.28	5.7	4.6	1	72	.036	17.0	-5.1	SW	10			0	1	St	SW	Clear		H.F.C.	4
5	63.0	29.298	-.100	29.198	30.16	17.0	16.0	13	84	.074	30.2	17.0	NE	12			0	1	Ci	W	Clear		H.F.C.	5
6	65.0	28.778	-.104	28.674	29.61	31.2	30.4	30	92	.164	31.2	26.8	E	12			.04	10	St	E	Cloudy		H.F.C.	6
7	6[illegible].0	28.725	-.103	28.622	29.54	33.0	30.0	25	71	.130	55.2	32.1	SW	14	34	SW	0	0	0	0	Clear		H.F.C.	7
8	63.5	28.811	-.100	28.711	29.66	22.0	20.4	17	78	.089	29.0	20.9	W	14	26	W	T	8	St	W	Cloudy		H.F.C.	8
9	6[illegible]	[illegible]	[illegible]	28.996	29.96	15.8	15.0	13	86	.074	20.0	15.1	SW	9			T	[illegible]	St	[illegible]	[illegible]		H.F.C.	9
10	59.0	28.964	-.089	28.875	29.83	24.5	22.0	16	68	.085	44.8	24.1	NW	24	46	SW	.01	3	St	NW	Clear		H.F.C.	10
11	65.0	29.500	-.106	29.394	30.36	19.4	18.0	14	78	.077	27.4	18.8	NW	5			0	0	0	0	Clear		H.F.C.	11
12	62.0	29.134	-.097	29.037	29.99	34.8	31.3	26	68	.136	34.8	29.2	SW	14			T	10	St	W	Cloudy		H.F.C.	12
13	67.0	28.992	-.110	28.882	29.82	35.0	33.2	30	84	.164	48.3	34.8	NE	7			0	2	A.St.	SW	Clear		H.F.C.	13
14	67.0	29.008	-.110	28.898	29.85	29.4	27.0	23	74	.118	38.4	29.1	NE	14	25	NE	0	10	St	NE	Cloudy		H.F.C.	14
15	67.5	29.359	-.112	29.247	30.22	12.2	11.0	7	76	.054	21.4	10.3	N	14			.02	2	A.St.	NW	Clear		H.F.C.	15
16	71.0	29.505	-.122	29.383	30.36	15.0	13.4	8	72	.057	19.8	10.4	SW	5			0	7	A.Cu.	W	Pt Cloudy		H.F.C.	16
17	67.0	29.578	-.111	29.467	30.44	9.4	8.0	2	69	.042	28.0	9.2	N	9			0	0	0	0	Clear		H.F.C.	17
18	71.0	29.240	-.121	29.119	30.08	19.0	17.4	13	75	.074	21.0	18.7	E	6			0	8	Ci	W	Cloudy		H.F.C.	18
19	69.0	29.460	-.117	29.343	30.30	25.4	22.0	14	58	.077	34.6	24.2	N	9			0	0	0	0	Clear		H.F.C.	19
20	72.0	29.455	-.125	29.330	30.29	27.3	24.1	18	63	.093	30.5	23.3	SE	7			0	9	A.St.	SE	Cloudy		H.F.C.	20
21	71.0	29.018	-.120	28.898	29.85	33.5	32.0	30	86	.164	36.6	33.1	S	1			0	2	Ci	S	Clear		H.F.C.	21
22	67.0	28.331	-.107	28.224	29.13	33.2	33.2	33	100	.187	44.0	32.3	NE	18	31	NE	.57	10	Nb	NE	Lt. Rain		H.F.C.	22
23	67.0	29.308	-.111	29.197	30.16	17.8	17.0	15	87	.081	28.6	14.2	W	2			0	0	0	0	Clear		H.F.C.	23
24	69.0	29.198	-.116	29.082	30.03	36.2	35.2	[illegible]	73	.157	36.2	31.2	SE	6			T	10	St	SE	Cloudy		H.F.C.	24
25	73.5	29.137	-.128	29.009	29.93	58.0	52.4	48	69	.334	60.4	49.2	SE	9			0	5 4	A.St. St.	SE SE	Cloudy		H.F.C.	25
26	70.0	29.128	-.118	29.010	29.93	52.4	52.4	52	100	.387	64.2	52.4	NE	4			.08	10	Nb	NE	Lt. Rain		H.F.C.	26
27	73.0	28.966	-.125	28.841	29.76	37.2	37.2	37	100	.219	55.1	37.1	N	12			.56	10	Nb	N	Lt. Rain		H.F.C.	27
28	69.5	28.967	-.116	28.851	29.80	36.0	35.4	35	94	.203	36.4	34.8	N	8			.20	10	St	N	Cloudy		H.F.C.	28
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	29
30	69.0	29.410	-.117	29.293	30.23	35.0	35.0	35	100	.203	53.0	34.1	NE	5			0	-	Dense Fog	NE	Foggy		H.F.C.	30
31	69.0	29.357	-.116	29.241	30.17	37.9	37.3	37	95	.219	57.6	37.5	E	4			0	-	Light Fog	E	Clear		H.F.C.	31
Sums		(a)	(a)	900.215	930.07	841.3	792.7	672	2507	4.129	(a)	(a)	(a)	274	(a)	(a)	1.57	173	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.00	30.002	27.1	25.6	22.3	80.9	.133	(a)	(a)	(c) N	8.8	(a)	(a)	(a)	5.6	(c) St.	(c) N	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.	12:00 Noon. Dry Thermometer	12:00 Noon. Relative humidity
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	70.5	29.008	-.119	28.889	29.85	22.5	22.0	21	93	.108	29.0	18.0	NE	14			.05	10	Nb	NE	Lt Snow			P. Mead	1	27	60
2	[illegible]	[illegible]	-.124	29.208	30.17	21.2	19.2	14	71	.077	24.8	18.6	NE	10			0	0	0	0	Clear			[illegible]	2	22	72
3	73.5	29.350	-.128	29.222	30.19	17.0	15.6	12	77	.070	25.0	12.2	NW	9			T	8	St	NW	Cloudy			P. Mead	3	24	49
4	68.0	29.056	-.112	28.944	29.90	30.2	27.2	22	68	.113	30.2	5.7	SW	18	29	SW	0	4	St	SW	Pt Cloudy			P. Mead	4	24	61
5	68.0	29.249	-.113	29.136	30.10	26.8	22.3	12	48	.070	28.2	17.0	E	9			0	10	A St.	W	Cloudy			J.H.C.	5	28	44
6	69.5	28.473	-.114	28.359	29.28	55.2	51.2	48	76	.334	59.0	31.2	W	32	32	W	.12	10	St	W	Cloudy	B 7.30 A E 1.00 P		P. Mead	6	39	78
7	67.0	28.750	-.109	28.641	29.57	29.0	27.0	24	78	.124	49.4	28.6	W	24	38	SW	.05	9	St. Cu.	W	Cloudy			P. Mead	7	47	47
8	[illegible]	[illegible]	-.115	28.937	29.90	20.0	18.0	13	70	.074	23.0	19.2	NW	16	28	NW	T	10	Nb	NW	Lt Snow			[illegible]	8	[illegible]	[illegible]
9	66.0	28.680	-.106	28.574	29.51	39.0	36.4	33	79	.187	39.0	15.8	SW	36	42	SW	T	10	St	SW	Cloudy			P. Mead	9	29	56
10	70.5	29.368	-.120	29.248	30.21	27.4	23.1	13	51	.074	32.2	23.6	NW	11			0	1	St Cu	NW	Clear			P. Mead	10	28	66
11	72.5	29.372	-.125	29.247	30.21	32.8	31.3	29	85	.157	37.4	19.4	SW	5			0	3	Li. Cu	NW	Clear			P. Mead	11	34	48
12	66.0	28.924	-.107	28.817	29.75	48.3	43.0	37	65	.219	54.8	34.8	SW	14			0	0	0	0	Clear			J.H.C.	12	46	46
13	72.0	28.950	-.123	28.827	29.77	38.4	36.0	33	80	.187	51.0	35.0	NE	14			0	3	St	N	Clear			P. Mead	13	47	54
14	75.5	29.224	-.133	29.091	30.05	21.4	20.9	19	93	.098	33.8	21.4	NE	18	35	NE	.05	10	Nb	NE	Lt Snow			P. Mead	14	33	52
15	77.0	29.512	-.138	29.374	30.35	19.8	17.0	9	59	.060	22.8	12.2	N	5			T	0	0	0	Clear			P. Mead	15	19	55
16	73.5	29.440	-.129	29.311	30.28	28.0	26.0	22	77	.113	31.3	15.0	NW	10			T	1	St	NW	Clear			P. Mead	16	28	57
17	75.5	29.505	-.134	29.371	30.35	21.0	18.4	12	63	.070	24.5	9.4	E	6			0	1	St	E	Clear			P. Mead	17	20	56
18	74.0	29.182	-.129	29.053	30.01	34.6	31.1	26	68	.136	37.9	19.0	NW	10			0	0	0	0	Clear			J.H.C.	18	30	60
19	72.0	29.547	-.125	29.422	30.38	30.5	26.5	19	58	.098	37.2	25.4	NW	7			0	0	0	0	Clear			J.H.C.	19	31	58
20	75.5	29.077	-.132	28.945	29.89	34.2	32.1	29	80	.157	38.2	27.3	E	3			.01	10	St	E	Cloudy			P. Mead	20	36	56
21	71.0	28.800	-.119	28.681	29.61	44.0	41.0	38	78	.228	50.8	33.5	NE	13			0	10	St	NE	Cloudy			P. Mead	21	49	61
22	75.0	29.123	-.131	28.992	29.94	28.6	26.1	22	72	.113	33.2	28.6	N	10			.07	8	St Cu	N	Cloudy			P. Mead	22	29	95
23	[illegible]	[illegible]	-.121	29.179	30.14	32.6	29.5	24	69	.124	37.1	17.8	E	9			0	5	St	E	Pt Cloudy			[illegible]	23	31	69
24	72.5	29.072	-.124	28.948	29.88	60.4	53.4	48	63	.334	61.6	36.2	SE	8			0	8	St	SE	Cloudy			P. Mead	24	49	58
25	71.5	29.068	-.121	28.947	29.87	64.2	59.7	57	77	.465	72.8	58.0	SE	12			T	8	St	SE	Cloudy			J.H.C.	25	73	56
26	72.0	28.969	-.123	28.846	29.76	54.2	54.2	54	100	.417	57.7	50.6	NE	8			.20	10	Nb	NE	Lt. Rain			J.H.C.	26	55	100
27	76.5	29.010	-.134	28.876	29.83	36.4	35.4	34	91	.195	42.0	36.4	N	10			T	10	St	N	Cloudy			P. Mead	27		
28																									28		
29	72.5	29.300	-.125	29.175	30.11	53.0	46.9	41	63	.256	56.6	38.8	NE	5			0	2	A St	SW	Clear			P. Mead	29	57	75
30	73.0	29.400	-.127	29.273	30.21	57.6	48.5	39	51	.237	60.0	35.0	E	3			0	0	0	0	Clear	B 7.10 A E 9.20 A B 6.30 A E 7.50 A	B D M A E 7.10 A E 6.30 A	P. Mead	30	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]
Sums		(a)	(a)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(a)	(a)	(a)	[illegible]	(a)	(a)	[illegible]	[illegible]	(a)	(a)	(a)			(a)	(a)	[illegible]	[illegible]
Means		(a)	(a)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(a)	(a)	(c) NE	[illegible]	(a)	(a)	(a)	[illegible]	(c) St.	(c) NW	(a)	(a)	(a)	(a)	(a)	[illegible]	

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 1916

Date.	Temperature: Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation: Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. p.m. to p.m. * ‡‡	Snow unmelted. p.m. to p.m. * ‡‡	Hail, sleet, and snow on ground at p.m. * ‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Wednesday 1	29	16	13	4	22																.08				0	0.7	0.6	.08	1
2	23	12	13	4	18																0				0	0.5	0.7	0	2
3	23	10	15	0	18																T				0	T	0.2	T	3
4	30	5	25	0	18																0				0	0	T	0	4
5	29	17	12	5	23																0				0	0	T	0	5
6	59	29	30	21	44																.16				0	0	0	0	6
7	49	25	24	7	37																.05				0	T	T	T	7
8	25	19	6	15	22																T				0	T	T	T	8
9	45	15	30	8	30																.01				0	T	T	T	9
10	43	22	21	2	32																T				0	T	0	T	10
11	37	19	18	4	28																0				0	0	0	0	11
12	55	29	26	14	42																T				0	T	0	T	12
13	51	30	21	2	40																0				0	0	0	0	13
14	34	16	18	15	25																.07				0	0.8	0.5	.07	14
15	23	10	13	9	16																T				0	0.3	0.2	T	15
16	31	10	21	4	20																T				0	T	T	T	16
17	24	9	15	4	16																0				0	0	T	0	17
18	38	19	19	12	28																0				0	0	T	0	18
19	37	24	13	2	30																0				0	0	T	0	19
20	38	23	15	0	30																.01				T	0	0	0	20
21	51	33	18	12	42																.20 x				0	0	0	0	21
22	36	19	17	14	28																.44 x				0	1.0	T	.07	22
23	37	14	23	2	26																0				0	0	T	0	23
24	62	31	31	20	46																T				0	0	0	0	24
25	73	49	24	15	61																T				0	0	0	0	25
26	58	46	12	9	52																.68 x				0	0	0	0	26
27	46	35	11	12	40																.16 x				0	0	0	0	27
28	41	35	6	2	38																.20				0	0	0	0	28
29																					0				0	0	0	0	29
30																					0				0	0	0	0	30
31																					0				0	0	0	0	31
S	1311	731					Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	4.06		Total excess or deficiency since January 1,		T		(a)	(a)	(a)
M	42.0	24.6				(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

(8) x estimated

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SUMMARY FOR THE MONTH OF March, 1916

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.052	29.019	29.036	29.490	17	28.224	22	1.266	30.002	29.968	29.985	30.47	17	29.13	22	1.34
Corrected mean		29.031						Corrected mean		29.980	3,500-ft.		—	10,000-ft.	—

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
27.1	36.3	31.7	25.6	33.2	29.4	42.3	23.6	33.0	—	—	—	73	25	5	4	68	31	24	6	8

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
22.3	28.6	25.4	80.9	73.0	77.0	.133	.175	.154	9	0	23	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8025	10.8	NE	46	SW	9	12	13	9	5	1	10	4	8	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.6	5.8	5.4	46	7	8	16	0	1	10

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	7, 21, 22	9,	2, 5	none	6, 30, 31	30, 31	none	none	none	none	none	none

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.06	+0.82	26-27		None			None		8	11	9	2	0	19	11	3	3.3	0

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

Tipping bucket rainfall put back on roof at 3:00 pm. 31st

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
				None																

X Estimated

* The duration is the time precipitation was actually recorded.

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Prepared by ..... Chas. Lawrence, Jr., Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of March, 1916

Number of Station barometer, 656; sum of corrections, .009 inch.

Date.	Special observations. Time. 75th Mer.	Local (standard).	Barometer. Attached thermometer.	Observed reading.	Total correction.	Station. (Observed reading plus total cor.)	Reduced to sea-level.	Thermometers. Dry.	Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Velocity. †	Max. since last observation.	Direction.	Precipitation. ††	Clouds. Amt.	Kind.	Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
6	1.00 P.M.	12.00 M	67.0	28.508	.108	28.400	29.33	39.2	39.0	39	0	98	54.2	SE	6			T	10	St	SE	Cloudy	Sent to C.O. following Barometer	H.A.C.	6
17	11.00 A.M.	10.00 A.M.				29.490	30.47	15.0																	17

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of April, *191*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20 1911 7 am, station elevation, 852 feet; actual elevation, 852 feet.

Location of office: Number Post Office Building street, room 301-312; first observation taken in present office, 7 am m. May 1, 191

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of April, 1916

Number of Station barometer, 656; sum of corrections, 0.09 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	70.0	[illegible]	.115	[illegible]	[illegible]	[illegible]	47.0	46	[illegible]	.310	58.5	48.0	NW	12			.10	10	Nb	NW	[illegible]		[illegible]	1
2	64.0	29.333	.116	29.217	30.15	38.0	36.0	31	85	.172	47.2	35.0	NE	2			0	4	Ci. St	SW	Pt. Cloudy		P. Mead	2
3	73.5	29.257	.128	29.129	30.07	33.8	32.3	30	86	.164	42.8	32.4	NE	13			0	5	Ci. St.	SW	Clear		P. Mead	3
4	70.5	29.166	.120	29.046	29.99	40.0	38.0	35	84	.203	47.0	34.2	NE	1			0	7 / 2	A. St. / St.	W / SW	Cloudy		P. Mead	4
5	69.5	29.335	.117	29.218	30.15	36.8	34.9	32	84	.180	49.0	35.0	W	4			T	5	Ci. St.	NW	Pt. Cloudy		P. Mead	5
6	65.0	29.314	.105	29.209	30.15	29.2	26.5	21	70	.108	50.0	28.6	W	18			T	1	St. Cu.	W	Clear		P. Mead	6
7	69.5	29.380	.117	29.263	30.22	29.7	26.2	20	62	.103	35.2	25.4	NE	6			0	2	A. St.	W	Clear		P. Mead	7
8	68.5	29.000	.114	28.886	29.84	28.0	27.5	27	94	.143	36.2	27.4	N	21	28	NE	.10	10	Nb	N	Lt. Snow		P. Mead	8
9	69.0	29.190	.116	29.074	30.02	27.8	26.3	24	82	.124	32.3	27.4	NW	12			.02	4	St. Cu.	NW	Pt. Cloudy		P. Mead	9
10	68.0	29.346	.113	29.233	30.17	33.6	30.0	24	66	.124	36.6	29.0	S	7			0	2	Ci. St.	W	Clear		P. Mead	10
11	67.5	29.180	.112	29.068	30.01	42.3	39.4	36	[illegible]	.211	50.0	39.4	S	18			0	6 / 3	A. St. / St.	NW / S	Cloudy		P. Mead	11
12																								12
13	69.5	29.128	.117	29.011	29.93	64.3	59.3	56	75	.448	70.0	61.7	W	11			0	8 / 2	A. St. / St.	SW / W	Cloudy		P. Mead	13
14	71.0	29.084	.120	28.964	29.89	45.6	42.1	38	72	.228	65.0	45.6	NW	23	29	W	.42	9	St. Cu.	NW	Cloudy		P. Mead	14
15	69.5	29.394	.117	29.277	30.23	40.6	38.2	35	81	.203	44.2	35.0	E	4			0	1	St	E	Clear		P. Mead	15
16	67.5	29.050	.111	28.939	29.86	51.0	45.5	40	66	.247	55.2	44.0	SE	5			T	10	Nb	S	Lt. Rain		P. Mead	16
17	66.5	29.140	.109	29.031	29.96	46.0	41.4	36	68	.211	60.2	43.9	W	18	30	W	T	0	0	0	Clear		P. Mead	17
18	67.0	29.330	.111	29.219	30.15	45.9	39.8	32	58	.180	52.6	39.2	SW	6			0	1	St	W	Clear		P. Mead	18
19	70.0	29.166	.118	29.048	29.98	49.0	45.1	41	75	.256	59.0	45.3	E	19			.08	8 / 2	St. Cu. / St.	W / W	Cloudy		P. Mead	19
20	69.5	28.962	.116	28.846	29.76	63.4	56.9	52	67	.387	71.0	61.8	S	10			0	10	St	S	Cloudy		P. Mead	20
21	69.0	28.816	.114	28.702	29.61	49.6	48.5	47	92	.322	60.2	49.6	SW	18	25	SW	.18	10	Nb.	SW	Lt. Rain		P. Mead	21
22	69.0	28.825	.114	28.711	29.64	39.7	38.7	38	92	.228	45.0	39.0	W	12			.03	10	St	W	Cloudy		P. Mead	22
23	64.0	29.030	.102	28.928	29.87	41.4	40.9	40	96	.247	41.4	36.0	W	9			T	10	St	W	Cloudy		P. Mead	23
24	66.5	29.160	.109	29.051	29.99	43.0	41.0	39	85	.237	43.7	40.8	W	4			0	10	St	W	Cloudy		P. Mead	24
25	65.0	29.096	.104	28.992	29.93	42.0	40.8	40	90	.247	47.6	40.0	NW	8			T	9	St. Cu.	NW	Cloudy		P. Mead	25
26	66.0	29.000	.107	28.893	29.82	42.2	42.2	42	100	.266	47.3	41.8	NE	17			.98	10	Nb	NE	Lt. Rain		P. Mead	26
27	70.0	29.192	.118	29.074	30.01	45.4	43.9	42	89	.266	48.0	44.2	N	10			.02	10	St	N	Cloudy		P. Mead	27
28	69.0	29.305	.116	29.189	30.12	46.4	43.9	41	82	.256	55.0	40.0	N	2			0	0	0	0	Clear		P. Mead	28
29	69.0	29.256	.116	29.140	30.07	53.7	48.2	43	67	[illegible]	61.0	48.2	[illegible]	3			0	0	0	0	Clear		P. Mead	29
30																								30
31																								31
Sums	(a)	(a)		871.718	899.73	[illegible]	[illegible]	1117	2368	[illegible]	(a)	(a)	(a)	310	(a)	(a)	[illegible]	[illegible]	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)		29.07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(a)	(a)	(c) [illegible]	10.3	(a)	(a)	(a)	[illegible]	(c) [illegible]	(c)	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of April, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Observed reading.	Total correction.	Station. (Observed reading plus total cor.) (b)	Reduced to sea-level. (b)	Thermometers. Dry. (b)	Wet. (b)	Dew-point. (b)	Relative humidity.	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Min. (b)	Wind. Dir.	Velocity. (b) †	Max. during preceding 12 hours.	Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Kind.	Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Dense. (f)	Initials of observer.	Date.	12:00 Noon. Dry Thermometer	Relative Humidity
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	72.6	29.186	-.125	29.061	29.99	47.2	41.0	33	59	.187	51.4	43.2	NW	6			.16	2	Ci	NW	Clear			N.T.C.	1	44	85
2	75.5	29.300	-.133	29.167	30.11	42.8	39.0	34	72	.195	50.1	38.0	NE	11			0	6 Ci 3 St	SW NE		Cloudy			P.McC.	2	47	66
3	70.5	29.142	-.120	29.022	29.96	47.0	43.0	39	73	.237	53.2	33.8	E	8			0	10	St.	E	Cloudy			N.T.C.	3	51	54
4	73.0	29.210	-.126	29.084	30.02	49.0	42.0	34	55	.195	54.2	40.0	W	25			0	1	St.	W	Clear			N.T.C.	4	53	58
5	71.0	29.204	-.121	29.083	30.02	50.0	42.2	33	51	.187	52.4	36.8	SW	7			0	10	St	SW	Cloudy			N.T.C.	5	51	48
6	71.0	29.405	-.122	29.283	30.24	35.2	31.8	27	69	.143	40.0	29.2	NW	6			T	1	Ci St	NW	Clear			N.T.C.	6	36	58
7	72.0	29.152	-.124	29.028	29.98	36.2	33.2	20	48	.103	42.1	21.7	NE	14			0	10	St	NE	Cloudy			N.T.C.	7	40	57
8	71.0	29.023	-.120	28.903	29.85	32.0	31.4	31	94	.172	34.9	28.0	N	16	27	N	.07	10	Nb	N	Lt Snow			N.T.C.	8	31	94
9	75.0	29.300	-.132	29.168	30.12	36.6	31.2	22	54	.113	43.7	27.8	NW	9			0	Dew	St	NW	Clear			P.McC.	9	40	64
10	75.0	29.280	-.126	29.154	30.09	50.0	42.2	33	51	.187	54.1	33.6	SW	14			0	1	St	SW	Clear			N.T.C.	10	50	50
11																									11	62	74
12	71.0	29.107	-.120	28.987	29.91	70.0	60.9	55	60	.432	75.1	45.0	SW	8			0	8 Ci St 2 St.	W SW		Cloudy			N.T.C.	12	57	56
13	71.0	29.063	-.120	28.943	29.85	65.0	65.0	65	100	.616	72.0	64.3	SW	12			.01	10	Nb	SW	Lt. Rain			N.T.C.	13	70	72
14	73.0	29.330	-.126	29.204	30.13	44.2	40.2	35	71	.203	49.8	42.3	NW	12	32	NW	0	3	Ci	NW	Clear			N.T.C.	14		
15	72.0	29.235	-.124	29.111	30.04	55.2	48.2	41	60	.256	60.1	40.6	E	9			0	2 Ci 1 St	NW E		Clear			N.T.C.	15		
16	70.5	28.993	-.119	28.874	29.79	57.7	54.2	52	80	.387	72.0	50.0	SW	16	34	SW	.13	10	Nb	SW	Sprinkling			P.McC.	16		
17	72.0	29.269	-.124	29.145	30.07	52.6	43.0	31	44	.172	57.1	46.0	NW	12	40	W	0	0	0	0	Clear			N.T.C.	17		
18	71.0	29.249	-.121	29.128	30.06	59.0	49.2	39	49	.237	64.8	45.9	SW	6			0	10	St	SW	Cloudy			N.T.C.	18		
19	71.0	28.977	-.120	28.857	29.77	71.0	60.0	53	53	.402	77.7	49.0	S	8			.02	10	St	S	Cloudy			N.T.C.	19		
20	71.0	28.878	-.120	28.758	29.67	60.2	60.2	60	100	.517	73.2	60.2	S	14	29	S	.01	10	Nb	S	Lt Rain			N.T.C.	20		
21	70.0	28.849	-.117	28.732	29.65	45.0	43.8	43	91	.277	52.8	45.0	SW	14	26	SW	.02	10	St	SW	Cloudy			N.T.C.	21		
22	68.0	28.944	-.112	28.832	29.76	40.1	40.1	40	100	.247	41.2	37.8	W	10			T	10	Nb	W	Misting			N.T.C.	22		
23	67.0	29.158	-.110	29.048	29.99	43.7	41.7	40	85	.247	44.0	41.0	NW	8			.03	9	St Cu	NW	Cloudy			P.McC.	23	41	100
24	68.0	29.100	-.112	28.988	29.93	47.6	47.6	48	100	.334	53.3	43.0	NW	4			.15	10	Nb	NW	Sprinkling			N.T.C.	24	50	81
25	70.0	29.044	-.118	28.926	29.86	47.3	47.3	47	100	.322	56.5	42.0	SW	6			T	10	Nb	SW	Lt. Rain			N.T.C.	25	49	74
26	[illegible]	29.092	-.115	28.977	29.92	48.0	47.5	47	96	.322	49.7	42.2	N	8			.36	10	Nb	N	Sprinkling			N.T.C.	26	45	100
27	73.0	29.227	-.126	29.101	30.03	55.0	49.0	43	65	.277	58.8	45.4	N	8			0	1	St	N	Clear			N.T.C.	27	56	71
28	[illegible]	29.206	-.125	29.081	30.01	61.0	53.8	49	63	.347	65.0	46.4	E	3			0	1	St	E	Clear			[illegible]	28	[illegible]	[illegible]
29								46	55	.310	55.5	53.7	S	7			[illegible]	[illegible]	St.	S	[illegible]			[illegible]	29	[illegible]	116
30	70.0								65	.300	[illegible]	[illegible]						[illegible]						[illegible]	30	172	[illegible]
31																									31		
Sums		(a)	(a)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(a)	(a)	(a)	[illegible]	(a)	(a)	[illegible]	[illegible]	(a)	(a)	(a)			(a)	(a)		
Means		(a)	(a)	29.028	29.99	51.1	44.9	40.6	69.3	.279	(a)	(a)	(c) [illegible]	9.3	(a)	(a)	(a)	6.7	(c) St	(c) SW	(a)	(a)	(a)	(a)	(a)		

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of April, 1916.

Date.	Temperature: Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation: Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Saturday 1	54	41	13	2	48																.26				0	0	0	0	1
2	50	34	16	6	42																0				0	0	0	0	2
3	53	32	21	0	42																0				0	0	0	0	3
4	54	34	20	2	44																T				0	0	0	0	4
5	52	30	7	0	44																T				0	0	0	0	5
6	40	27	13	10	34																T				0	T	0	T	6
7	42	25	17	0	34																0				0	0	0	0	7
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	8
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																T				0	0.5	T	T	9
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																0				0	0	0	0	10
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																								11
12	70	45	20	[illegible]	60																T				0	0	0	0	12
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																T				0	0	0	0	13
14	[illegible]	38	[illegible]	[illegible]	[illegible]																.14				0	0	0	0	14
15	60	35	25	1	48																0				0	0	0	0	15
16	72	44	28	10	58																.13				T	0	0	0	16
17	57	44	13	8	50																								17
18	65	39	26	2	52																T				0	0	0	0	18
19	78	45	33	10	62																.10				0	0	0	0	19
20	73	57	16	3	65																.08				0	0	0	0	20
21	58	41	17	15	50																.13				0	0	0	0	21
22	42	38	4	10	40																.03				0	0	0	0	22
23	44	36	8	0	40																.03				0	0	0	0	23
24	53	41	12	7	47																.15				0	0	0	0	24
25	56	40	16	1	48																.23				0	0	0	0	25
26	50	42	8	2	46																1.11				0	0	0	0	26
27	59	44	15	6	52																.02				0	0	0	0	27
28	65	40	25	0	52																0				0	0	0	0	28
29	69	48	21	6	58																0				0	0	0	0	29
30	72	53	19	4	62																T				0	0	0	0	30
31																													31
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.54		Total excess or deficiency since January 1,		T	2.5	(a)	(a)	(a)
M	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF _____, 191

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .000.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.065	29.028	29.042	29.320	6	28.680	20	0.640	29.791	29.959	29.975	[illegible]		[illegible]		
Corrected mean		29.037						Corrected mean		29.970	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
49.3	51.1	47.7	41.4	46.0	43.7	57.4	39.2	48.3				78	19	25	7	53	33	19	4	22

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
37.0	40.8	38.4	78.9	69.8	74.4	22.9	27.2	25.0	0	0	5	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8008	11.1	SW	40	W	17	6	8	5	1	9	10	9	12	[illegible]

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.6	6.7	6.8	50	5	12	13	0	3	11

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
none	none	none	13, 14, 16	17	0	12	[illegible]	none	none	none	none	none	16	[illegible]

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.89	1.34	25-26		none			none		7	14	11	3	1	21	3	1	2	

(w) Maximum precipitation in 5 minutes .04, date 16"; 10 minutes .06, date 13"; 15 minutes .08, date 13";
30 minutes .12, date 26"; 1 hour .15, date 26"; 2 hours .31, date 26".

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
				None																

[illegible] 15"

* The duration is the time precipitation was actually recorded.

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Prepared by _____ P. [illegible], _____, *Weather Bureau.*

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of April, 191[illegible]

Number of Station barometer, 656; sum of corrections, -009 inch.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
6	40 10 PM	40 9 P.M.				29.820	30.28	74.0																	6
20	20 10 PM	20 9 P.M.				28.680	29.59	57.0																	20

SPECIAL OBSERVATIONS.

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of May, *191* 6

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date No; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -017; date and observation upon which use of station barometer commenced, May 20, 1911, 7 00 A. M., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 911 712; first observation taken in present office, 7 00 A. M. May 20, 191

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1916

Number of Station barometer, 656; sum of corrections, +.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.17 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.5	[illegible]	[illegible]	[illegible]	[illegible]	63.[illegible]	[illegible]	[illegible]	51	.238	63.7	52.2	SW	[illegible]			T	4	St	SW	Cloudy			1
2	69.0	29.310	-.116	29.194	30.13	40.0	39.1	38	93	.228	44.0	36.8	NE	7			0	10	St	NE	Cloudy		HWC	2
3	67.0	29.027	-.110	28.917	29.85	43.4	43.4	43	100	.277	48.0	42.2	NE	8			.78	10	Nb	NE	Lt. Rain		HWC	3
4	66.5	29.150	-.109	29.041	29.97	50.0	48.0	46	87	.310	51.7	46.8	SW	12			0	10	St	SW	Cloudy		HWC	4
5	65.0	28.995	-.104	28.891	29.81	53.5	50.0	47	78	.322	57.0	51.3	SW	14			T	2	St	SW	Clear		HWC	5
6	67.0	29.158	-.110	29.048	29.97	58.0	49.6	42	55	.266	62.4	49.2	S	8			T	3	St. Cu.	S	Clear		HWC	6
7	69.5	29.028	-.116	28.912	29.83	61.2	59.2	58	89	.482	62.0	55.1	SW	4			.17	0	0	0	Clear		HWC	7
8	73.0	29.007	-.125	28.882	29.79	67.5	64.0	62	83	.555	76.5	64.2	W	12			.06	2 3	Ci St St	W W	Pt. Cloudy		HWC	8
9	70.5	29.272	-.120	29.152	30.07	51.0	44.2	36	58	.211	65.8	50.0	NW	7			0	0	0	0	Clear		HWC	9
10	70.0	28.892	-.118	28.774	29.67	62.0	57.0	48	60	.334	64.8	59.8	S	14			0	10	A. St.	S	Cloudy		HWC	10
11	70.0	29.160	-.118	29.042	29.96	53.2	47.2	41	64	.256	73.0	50.1	SW	12	27	W	0	0	0	0	Clear		HWC	11
12	69.0	29.470	-.117	29.353	30.29	49.2	42.7	35	58	.203	62.8	45.2	NE	12			0	5	A. St.	S	Pt. Cloudy		HWC	12
13	67.0	29.484	-.111	29.373	30.31	52.0	46.2	40	64	.247	54.9	47.3	E	10			0	2 3	Ci St St	SW S	Pt. Cloudy		HWC	13
14	66.0	29.221	-.108	29.113	30.04	48.3	48.3	48	100	.334	58.8	47.8	NE	8			.73	10	Nb	SW	Lt. Rain		HWC	14
15	66.0	29.000	-.107	28.893	29.80	62.6	61.0	60	92	.517	67.4	61.6	S	6			.02	10	St	SW	Cloudy		HWC	15
16	68.0	29.004	-.112	28.892	29.81	53.0	49.3	46	77	.310	68.4	52.4	W	12			T	9	St	W	Cloudy		HWC	16
17	66.0	28.968	-.107	28.861	29.79	46.2	42.6	39	75	.237	49.0	43.2	W	14			0	2	St	W	Clear			17
18	66.0	29.057	-.104	28.953	29.88	44.0	40.7	38	77	.228	52.4	40.1	NW	6			0	10	St	NW	Cloudy		HWC	18
19	64.0	29.220	-.102	29.118	30.05	50.0	45.0	40	68	.247	54.0	42.2	SW	12			0	0	0	0	Clear		HWC	19
20	70.5	29.371	-.120	29.251	30.18	52.0	47.4	43	71	.277	54.0	48.2	E	5			0	8	A. Cu.	SW	Cloudy		HWC	20
21	67.0	29.330	-.111	29.219	30.15	52.2	46.7	41	66	.256	55.0	46.4	E	12			T	10	Ci. St.	W	Cloudy		HWC	21
22	65.0	28.957	-.104	28.853	29.77	57.8	54.8	60	100	.517	59.8	53.1	S	12			.35	10	Nb	SW	Lt. Rain		HWC	22
23	68.0	29.104	-.112	28.992	29.91	61.4	57.4	58	89	.482	66.7	58.1	W	3			.09	0	0	0	Clear		HWC	23
24	72.0	29.285	-.124	29.161	30.08	60.1	61.0	59	70	.499	75.8	60.2	0	0			0	8	St	S	Cloudy		HWC	24
25	75.0	29.175	-.132	29.043	29.94	70.0	67.0	61	72	.536	76.7	66.8	SW	4			0	8	A. St	SW	Cloudy		HWC	25
26	79.0	29.124	-.141	28.983	29.88	68.7	67.1	62	78	.555	83.0	63.2	SE	2			0	1	Ci	S	Clear		HWC	26
27	82.0	29.130	-.130	29.000	29.90	68.2	68.2	68	100	.674	83.7	68.2	W	16	29	W	.05	10	Nb	W	Lt. Rain		HWC	27
28	78.5	29.168	-.141	29.027	29.94	67.3	65.0	64	89	.595	72.5	63.8	NW	4			T	9	Ci. St.	W	Cloudy		HWC	28
29	77.0	29.078	-.136	28.942	29.85	65.7	63.7	63	90	.575	75.0	63.9	S	6			0	8	St	W	Cloudy		HWC	29
30	73.0	28.158	-.125	28.033	29.73	57.0	57.0	56	84	.478	67.4	58.1	NW	12			T	[illegible]	St	[illegible]	[illegible]		[illegible]	30
31	73.0	29.356	-.126	29.230	30.15	55.0	51.2	48	77	.334	68.2	50.0	NE	10			0	0	0	0	Clear		HWC	31
Sums		(a)	(a)	899.865	928.30	1752.9	1635.0	1535	2480	11620	(a)	(a)	(a)	278	(a)	(a)	1.25	184	(a)	(a)	(a)		(a)	
Means		(a)	(a)	29.025	29.946	56.5	52.8	49.5	79.4	.375	(a)	(a)	(c) SW	9.0	(a)	(a)	(a)	5.9	(c)	(c)	(a)		(a)	

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1916

Number of Station barometer, 656; sum of corrections, +.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. Dense. (f)	Initials of observer.	Date.	12.00 Noon Dry Thermometer.	12.00 Noon Relative Humidity.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	71.0	29.184	-.121	29.063	29.99	44.0	42.6	41	90	.256	71.2	43.0	W	12	35	SW	.10	10	St	NW	Cloudy			P.Med	1	70	50
2	71.0	29.233	-.121	29.112	30.05	48.0	45.4	43	82	.277	56.8	40.0	NE	8			T	10	St	NE	Cloudy			P.Med	2	47	83
3	71.0	29.130	-.121	29.009	29.94	51.7	48.4	45	79	.298	52.0	43.4	W	4			T	3	St.Cu.	W	Clear			P.Med	3	49	87
4	69.0	29.070	-.115	28.955	29.89	57.0	52.0	48	72	.334	62.0	50.0	SW	10			0	4 3	Ci. St. St.	NW SW	Pt Cloudy			P.Med	4	60	68
5	69.5	29.156	-.117	29.039	29.96	62.4	50.9	40	44	.247	69.0	53.5	NW	9			0	1	St	NW	Clear			P.Med	5	68	57
6	70.5	28.954	-.119	28.835	29.75	62.0	61.5	61	97	.536	85.0	58.0	SE	5	37	SW	.48	10	St	W	Cloudy			P.Med	6	76	45
7	77.0	29.018	-.136	28.882	29.79	76.5	69.3	66	70	.638	81.2	61.2	SE	6			0	1	St.Cu.	S	Clear			A.H.C.	7	77	71
8	75.0	29.100	-.131	28.969	29.89	65.8	57.9	53	62	.402	71.6	59.4	W	15	25	NW	0	0			Clear			P.Med	8	68	59
9	73.0	29.210	-.126	29.084	30.00	64.8	54.8	47	53	.322	69.0	51.0	SW	6			0	3 3	Ci. St. St.	W SW	Pt Cloudy			P.Med	9	62	50
10	75.0	28.832	-.130	28.702	29.60	73.0	64.6	60	63	.517	81.0	62.0	SW	20	42	SW	0	Lt	Haze	—	Clear			P.Med	10	78	64
11	72.0	29.300	-.124	29.176	30.10	62.8	49.3	36	36	.211	68.0	53.2	W	7	28	W	0	3 3	Ci. St. St.	W NW	Pt. Cloudy			P.Med	11	64	27
12	68.5	29.480	-.115	29.365	30.30	54.9	48.8	43	64	.277	58.0	49.2	SE	3			T	10	St	SW	Cloudy			P.Med	12	58	36
13	68.5	29.301	-.115	29.186	30.12	58.8	52.1	46	64	.310	64.0	52.0	E	14			T	10	St	SW	Cloudy			P.Med	13	63	42
14	66.0	29.018	-.107	28.911	29.83	67.4	65.9	65	92	.616	70.8	48.3	E	6			.42	10	St	SW	Cloudy			A.H.C.	14	55	100
15	70.0	29.000	-.118	28.882	29.79	68.4	63.9	61	78	.536	72.2	62.6	SW	8	26	SW	0	5	St	SW	Pt Cloudy			P.Med	15	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	16	[illegible]	[illegible]
17	[illegible]	28.950	-.114	28.866	29.80	52.4	45.4	38	58	.228	58.0	46.2	W	13	32	W	0	1	St.Cu.	W	Clear			[illegible]	17	[illegible]	[illegible]
18	69.0	29.170	-.116	29.054	29.98	54.0	45.8	37	53	.219	56.1	44.0	SW	8			0	1	Ci. St.	W	Clear			[illegible]	18	[illegible]	[illegible]
19	67.0	29.263	-.116	29.147	30.08	54.0	48.2	42	66	.266	65.0	50.0	N	3	27	SW	0	6	St.Cu.	NW	Pt. Cloudy			[illegible]	19	[illegible]	[illegible]
20	70.0	29.362	-.119	29.243	30.17	55.0	49.0	43	65	.277	59.0	52.0	E	3			T	10	[illegible]	[illegible]	[illegible]			[illegible]	20	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	.347	64.1	52.2	E	10			.01	10	Nb	SW	Showering			[illegible]	21	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.536	75.6	57.8	SW	6			.17	[illegible]	Ci. St. St.	NW SW	Cloudy			P. [illegible]	22	[illegible]	[illegible]
23	[illegible]	[illegible]	-.126	29.050	29.96	75.8	65.3	60	57	.517	80.0	61.4	NW	3			0	1	Ci. St.	SW	Clear			[illegible]	23	[illegible]	[illegible]
24	[illegible]	29.270	-.140	29.130	30.04	76.7	65.3	59	54	.499	82.3	65.1	SW	5			0	5	St.Cu.	W	Pt Cloudy			P.Med	24	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	W	4			0	4	Ci. St.	[illegible]	Pt Cloudy			[illegible]	25	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	St.Cu.	[illegible]	Pt Cloudy			[illegible]	26	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	27	75	[illegible]
28	70.0	29.168	-.145	29.023	29.93	75.0	65.0	60	59	.517	77.2	67.3	N	1			T	2	Ci	W	Clear			A.H.C.	28	[illegible]	[illegible]
29	75.5	28.856	-.131	28.725	29.62	69.4	65.9	64	83	.595	72.3	65.7	SW	20			.17	7	St.Cu.	SW	Pt Cloudy			[illegible]	29	[illegible]	[illegible]
30	[illegible]	29.138	-.137	29.001	29.92	68.2	59.1	53	59	.402	72.8	59.0	N	9			0	1	St	N	Clear			A.H.C.	30	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	29.183	30.10	63.6	55.1	49	58	.347	68.2	55.0	E	[illegible]			0	[illegible]	[illegible]	E	[illegible]			[illegible]	31		
Sums		(a)	(a)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	(a)	(a)	(a)	[illegible]	(a)	(a)	[illegible]	[illegible]	(a)	(a)	(a)	(a)	(a)	(a)	(a)	[illegible]	[illegible]
Means		(a)	(a)	29.001	29.914	63.1	56.9	52.0	67.3	.413	(a)	(a)	(c) SW	8.3	(a)	(a)	(a)	5.8	(c) St.	(c) SW	(a)	(a)	(a)	(a)	(a)	(a)	[illegible]	[illegible]

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of May, 1916

Monday

Date.	Temperature: Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation: Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	71	42	29	6	56																.10				0	0	0	0	1
2	57	37	20	9	47																.03				0	0	0	0	2
3	52	42	10	0	47																.75				0	0	0	0	3
4	62	47	15	7	54																0				0	0	0	0	4
5	69	51	18	6	60																T				0	0	0	0	5
6	85	49	36	7	67																.65				0	0	0	0	6
7	81	55	26	1	68																0				0	0	0	0	7
8	72	56	16	4	64																.06				0	0	0	0	8
9	69	50	19	4	60																0				0	0	0	0	9
10	81	56	25	8	68																0				0	0	0	0	10
11	68	50	18	11	59																0				0	0	0	0	11
12	58	45	13	7	52																T				0	0	0	0	12
13	64	47	17	4	56																T				0	0	0	0	13
14	71	48	23	4	60																1.15				0	0	0	0	14
15	72	62	10	7	67																.02				0	0	0	0	15
16	64	41	17	11	56																T				0	0	0	0	16
17	58	42	16	6	50																0				0	0	0	0	17
18	56	40	16	2	48																0				0	0	0	0	18
19	60	42	23	6	54																0				0	0	0	0	19
20	57	42	15	3	51																T				0	0	0	0	20
21	61	40	21	4	55																.01				0	0	0	0	21
22	76	53	23	7	64																.59				0	0	0	0	22
23	80	58	22	5	69																.02				0	0	0	0	23
24	82	60	22	2	71																0				0	0	0	0	24
25	88	67	21	7	78																0				0	0	0	0	25
26	88	65	25	2	76																0				0	0	0	0	26
27	80	65	15	4	72																.15				0	0	0	0	27
28	77	64	13	2	70																T				0	0	0	0	28
29	72	61	11	4	66																.17				0	0	0	0	29
30	73	55	18	2	64																0				0	0	0	0	30
31	68	50	18	0	59																0				0	0	0	0	31
S	2182	1594	588	159	1888		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.70		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	70.4	51.4	19.0	5.1	60.9	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF May, 1916

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.952	29.001	29.014	29.380	13	28.600	10	.80	29.946	29.919	29.932	30.02	[illegible]	29.[illegible]	10	[illegible]
Corrected mean		29.009						Corrected mean		29.927	3,500-ft.	—		10,000-ft.	—

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
56.5	63.7	60.1	52.8	56.9	54.8	70.4	51.4	60.9		—		88	26	37	2	51	36	6	10	3

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
49.5	52.0	50.8	78.4	67.3	72.8	.375	.413	.394	0	0	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
7348	9.9	SW	42	SW	10	3	6	4	5	6	17	11	6	1

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.9	5.8	6.0	49	11	5	15	7	1	9

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	6, 14, 22 27	10"	0	0	0	0	10	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.70	1.15	14		None			None		6	12	8	4	1	18	0	0	0	0

(w) Maximum precipitation in 5 minutes .15, date 22"; 10 minutes .26, date 22"; 15 minutes .34, date 6";
30 minutes .40, date 6"; 1 hour .47, date 14"; 2 hours .67, date 14".

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
		None																		

* The duration is the time precipitation was actually recorded.

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Prepared by P. McDonough, L. T., Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], *for the Month of* May, *191*

Number of Station barometer, 636; *sum of corrections,* -.009 *inch.*

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
10	5 00 pm	4 00 pm				28.600	29.50	81.0																	
13	6 30 am	5 30 am				29.380	30.32	47.0																	

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

[illegible]

For the Month of June, 1916

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date Uo; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20 1911 7 00 A.M., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Cullum street, room 911 712; first observation taken in present office, 7 00 A m. May 20, 191

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 191[illegible]

Number of Station barometer, 6[illegible]6; sum of corrections, [illegible] inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO [illegible] A. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	71.0	29.306	.121	29.185	30.10	55.8	5[illegible]	48	74	.334	63.6	48.8	SE	7			0	10	St	SE	Cloudy		[illegible]	1
2	72.5	28.872	.123	[illegible]	[illegible]	71.0	66.0	63	77	.575	72.0	64.9	S	18			.05	10	St	S	Cloudy		[illegible]	2
3	74.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.0	[illegible]	[illegible]	92	.373	[illegible]	[illegible]	[illegible]	[illegible]			.05	[illegible]	[illegible]	[illegible]	Clear		[illegible]	3
4	72.5	29.044	.124	28.920	29.83	57.3	54.1	52	82	.387	68.0	52.4	SW	8			0	9	St. Cu.	SW	Cloudy		P. Mac	4
5	72.5	29.088	.124	28.964	29.88	60.0	56.2	53	79	.402	70.0	53.8	W	3			0	1	St	W	Clear		P. Mac	5
6	70.0	28.930	.118	28.812	[illegible]	[illegible]	52.9	50	79	.360	68.0	55.6	[illegible]	13			0	0	St	E	Cloudy		P. Mac	6
7	68.0	28.634	.111	28.523	29.43	[illegible]	55.3	55	97	.432	61.2	55.8	SW	20			1.16	10	[illegible]	SW	Lt. Rain		P. Mac	7
8	64.0	28.860	.101	28.759	29.67	56.0	54.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13			T	0	St	E	Cloudy		[illegible]	8
9	64.0	28.900	.102	28.798	29.71	55.4	54.1	53	92	.403	61.0	53.8	SW	13			.27	0	St	SW	Cloudy		[illegible]	9
10	62.5	29.022	.098	28.924	29.84	54.4	53.4	52	94	.387	57.8	52.7	W	6			.02	10	St	NW	Cloudy		[illegible]	10
11	65.0	29.216	.105	29.111	30.03	54.5	52.5	51	88	.373	61.0	48.0	W	5			0	1	St	W	Clear		[illegible]	11
12	[illegible]	29.340	.112	29.228	30.15	60.5	58.0	56	86	.448	70.0	55.2	NE	4			0	0	0	0	Clear		[illegible]	12
13	70.5	[illegible]	.121	29.255	30.18	64.3	60.8	58	82	.482	73.0	57.0	N	1			0	0	0	0	Clear		[illegible]	13
14	74.5	29.140	.130	29.010	[illegible]	68.0	62.2	58	73	.482	76.7	63.6	SW	9			0	1	Cu.	SW	Clear		[illegible]	14
15	72.0	28.942	.123	28.819	29.73	58.0	58.0	58	100	.482	60.6	56.9	SW	5			0	–	Dense Fog	SW	Foggy		P. Mac	15
16	72.5	28.864	.123	28.741	29.64	58.0	56.2	55	90	.432	70.5	55.8	SW	8	29	SW	.01	10	St	SW	Cloudy		P. Mac	16
17	69.0	28.933	.115	28.818	29.73	56.6	55.1	[illegible]	91	.411	61.0	54.0	SW	[illegible]			0	10	St	[illegible]	Cloudy		[illegible]	17
18	69.0	29.092	.115	28.977	29.90	55.8	54.1	54	95	.417	67.0	52.2	SW	7	25	SW	.18	10	St	W	Cloudy		P. Mac	18
19	69.5	29.020	.116	28.904	29.82	59.0	56.0	54	83	.417	62.4	57.2	N	5			.01	2 2	Ci. Cu. St.	NW N	Pt. Cloudy		P. Mac	19
20	70.0	29.160	.118	29.042	29.96	57.0	51.4	47	68	.322	66.0	50.4	E	4			0	1	St. Cu.	NW	Clear		P. Mac	20
21	69.0	[illegible]	.116	29.026	29.95	56.0	[illegible]	53	88	.402	65.4	51.9	NE	16	27	NE	.48	10	St	NE	Cloudy		[illegible]	21
22	68.0	29.516	.114	29.402	30.33	57.0	54.0	52	83	.387	64.5	52.1	E	5			0	1	St.	NW	Clear		[illegible]	22
23	70.0	[illegible]12	.119	29.193	30.11	64.0	55.8	50	60	.360	68.0	56.9	SE	11			0	6 2	Ci. St.	SW SE	Cloudy		[illegible]	23
24	75.0	29.100	.131	28.464	29.87	71.6	63.1	67	84	.661	79.0	68.2	NW	4			0	4 4	St. St.	SW NW	Cloudy		[illegible]	24
25	76.5	29.240	.135	29.105	30.01	63.4	58.2	54	71	.417	73.3	59.0	N	7			0	0	0	0	Clear		P. Mac	25
26	77.5	29.224	.138	29.086	30.00	66.8	64.7	64	89	.595	74.9	59.3	S	9			0	3	Ci. St.	NW	Clear		P. Mac	26
27	77.5	29.268	.138	29.130	30.05	65.0	62.0	60	85	.517	65.2	62.2	NW	6			.22	9	St. Cu.	N	Cloudy		P. Mac	27
28	76.5	29.380	.136	[illegible]	30.17	58.7	55.7	54	83	.417	74.2	53.8	E	7			0	1	Cu.	E	Clear		[illegible]	28
29	76.0	29.304	.134	29.170	30.09	62.6	61.1	61	92	.536	68.8	56.6	E	2			0	8	Ci. St.	SW	Cloudy		[illegible]	29
30	76.0	29.240	.134	29.106	30.02	65.0	63.4	63	92	.575	78.0	62.0	NE	9			.12	10	St	N	Cloudy		P. Mac	30
31																								31
Sums	(a)	(a)		[illegible]	[illegible]	[illegible]	[illegible]	1653	2537	131.3	(a)	(a)	(a)	223	(a)	(a)	3.55	[illegible]	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)		[illegible]	[illegible]	[illegible]	57.1	55.7	84.6	.440	(a)	(a)	(c) SW	84	(a)	(a)	(a)	[illegible]	(c) St	(c) [illegible]	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of June, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 7.0 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.17 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.	[illegible]	[illegible]
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	74.5	29.110	.129	28.981	29.70	72.0	63.2	58	62	.482	75.1	55.8	SE	6			0	1	Cu St	S	Clear				1	70	56
2	75.0	[illegible]	.136	[illegible]	29.64	75.2	65.7	62	67	[illegible]	80.8	71.0	W	3	27	[illegible]	0	3	Cu	[illegible]	Clear				2	70	70
3	75.0	29.052	.131	28.921	29.84	68.0	56.0	48	47	.334	70.7	54.0	W	4			0	2	Cu	W	Clear				3	64	48
4	75.5	[illegible]	.132	28.544	29.75	70.0	62.5	58	66	.412	74.0	55.8	W	8	28	SW	44		Cu	W	Clear				4	72	50
5	74.0	29.064	.123	28.941	29.85	68.0	57.8	55	62	.432	72.8	60.0	[illegible]	6			0	5	Cu	[illegible]	Cl. Cloudy				5	70	56
6	79.0	28.664	.114	28.550	29.47	58.1	54.1	54	100	.482	58.3	45.2	NE	18	36	1	.62	10	Ni	NE	Ft. Rain				6	56	100
7	66.5	[illegible]	.106	[illegible]	[illegible]	[illegible]	[illegible]	50	75	.360	61.8	[illegible]	NW	[illegible]	32	SW	T	[illegible]	[illegible]	[illegible]	Cl. Cloudy				7	55	79
8	69.5	28.584	.103	[illegible]	29.61	[illegible]	[illegible]	47	[illegible]	[illegible]	63.3	55.1	[illegible]	12	31	SW	.15	0	[illegible]	[illegible]	Cloudy				8	62	52
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.8	[illegible]	54	[illegible]	[illegible]	[illegible]	53.7	[illegible]	12	25	SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				9	55	100
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	[illegible]	65.7	[illegible]	[illegible]	[illegible]			[illegible]		Sta	[illegible]	Clear				10	63	79
11	61.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	1	Cu St	[illegible]	Clear				11	69	64
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6			0		Cu	[illegible]	Clear				12	72	51
13	75.0	29.238	.132	[illegible]	[illegible]	[illegible]	[illegible]	55	41	[illegible]	[illegible]	64.[illegible]	S	5			0	3	Cu St	[illegible]	Clear				13	77	47
14	73.5	28.768	.127	28.841	29.74	60.6	57.0	58	91	.482	78.8	60.2	W	10			.46	7	St	W	Cloudy				14	79	54
15	74.0	28.824	.127	28.697	29.60	70.5	64.5	62	72	.355	76.1	58.0	SE	5			0	[illegible]	Sta	W	Cl. Cloudy	[illegible]	[illegible]		15	73	[illegible]
16	73.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		Cloudy				16	74	77
17	72.5	28.725	.124	[illegible]	29.78	67.0	60.0	56	69	.448	70.1	[illegible]	[illegible]	8			T	[illegible]	St	SE	Clear				17	[illegible]	[illegible]
18	70.5	28.841	.119	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59	[illegible]	[illegible]	55.8	[illegible]	[illegible]			.10	[illegible]	[illegible]	[illegible]	[illegible]				18	76	[illegible]
19	72.0	27.067	.123	28.746	29.86	66.0	57.2	51	39	.373	67.6	59.0	NW	8			0	2	Ci	W	Clear				19	67	58
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		9			T	8	St	W	Cloudy				20	[illegible]	[illegible]
21	71.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	[illegible]	[illegible]	56.0	[illegible]	8			0	3	St	NW	Clear				21	[illegible]	[illegible]
22	[illegible]	[illegible]	.134	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.1	[illegible]	[illegible]	[illegible]			[illegible]	3	St	[illegible]	Clear				22	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.0	71.0	[illegible]	68	[illegible]	[illegible]	64.0	[illegible]	6			0	1	Ci St	SW	Cloudy				23	[illegible]	[illegible]
24	76.0	29.094	.133	28.761	29.87	73.3	63.3	57	58	.465	77.8	71.6	NW	7			[illegible]	3	Ci St Cu	NW	Cl. Cloudy				24	79	41
25	80.0	27.250	.145	29.105	30.01	74.9	61.8	[illegible]	[illegible]	[illegible]	77.4	63.7	SW	5			0	7	Ci St	NW	Cl. Cloudy				25	73	46
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	83.3	[illegible]	NW	2			[illegible]	10	Ni	[illegible]	Cl. Rain				26	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	30.0[illegible]	[illegible]	[illegible]	[illegible]	62	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	[illegible]	[illegible]	[illegible]	Cl. Cloudy				27	72	[illegible]
28	78.5	29.300	.141	29.159	30.08	72.8	64.3	60	63	.517	74.9	58.7	E	4			0	1	Ci	W	Clear				28	70	64
29	78.5	[illegible]	.141	[illegible]	[illegible]	73.0	63.8	[illegible]	68	[illegible]	81.5	[illegible]	[illegible]	[illegible]			0	5	St	NW	Cloudy				29	[illegible]	[illegible]
30	[illegible]	[illegible]	.141	[illegible]	[illegible]	[illegible]	70.0	[illegible]	50	[illegible]	73.3	65.0	NE	10			T	[illegible]	[illegible]	N	Cloudy				30		
31																									31		
Sums		(a)	(a)	868.690	896.38	2040.7	1837.5	1713	2078	14.79	(a)	(a)	(a)	228	(a)	(a)	2.23	140	(a)	(a)	(a)	1	1	(a)	(a)	2094	1847
Means		(a)	(a)	28.956	29.869	68.1	61.2	57.1	69.3	.493	(a)	(a)	(c) NE	7.6	(a)	(a)	(a)	4.7	(c) 6.51 3.64	(c) W	(a)	(a)	(a)	(a)	(a)	69.8	61.6

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of _____, 191

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. p.m. to p.m. *‡‡	Snow unmelted. p.m. to p.m. *‡‡	Hail, sleet, and snow on ground at p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	1
2	51	20	[illegible]	[illegible]	10																.0[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	2
3	[illegible]	[illegible]	18	[illegible]	[illegible]																.05				0	[illegible]	[illegible]	[illegible]	3
4	[illegible]	[illegible]	22	1	63																.44				0.2	0	0	0	4
5	73	54	19	1	64																0				0	0	0	0	5
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																.36				[illegible]	[illegible]			6
7	[illegible]	[illegible]	7	0	58																.42				0	0	0	[illegible]	7
8	64	52	[illegible]	0	58																.12				0	0	[illegible]		8
9	61	54	7	0	58																.22				0	0	0	0	9
10	66	52	14	1	59																.04				0	0	0	0	10
11	73	48	25	1	60																0				0	0	0	0	11
12	78	55	23	6	66																0				0	0	0	0	12
13	82	57	25	4	70																0				0	0	0	0	13
14	79	59	20	1	69																.46				0	0	0	0	14
15	76	57	19	3	66																.01				0	0	0	0	15
16	67	56	11	4	62																.14				0	0	0	0	16
17	70	54	16	0	62																.18				0	0	0	0	17
18	72	52	20	0	62																.11				0	0	0	0	18
19	70	55	15	0	62																0				0	0	0	0	19
20	69	50	19	2	60																.56				0	0	0	0	20
21	67	52	17	0	60																.92				0	0	0	0	21
22	70	52	18	1	61																0				0	0	0	0	22
23	84	57	27	9	70																0				0	0	0	0	23
24	80	63	17	2	72																0				0	0	0	0	24
25	77	59	18	4	68																0				0	0	0	0	25
26	83	59	24	3	71																.60				0	0	0	0	26
27	78	58	20	3	68																0				0	0	0	0	27
28	75	54	21	4	64																0				0	0	0	0	28
29	82	57	25	6	70																0				0	0	0	0	29
30	78	62	16	0	70																.12				0	0	0	0	30
31																													31
S	2200	1650	550	81	1925		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	5.78		Total excess or deficiency since January 1,		0.2	0	(a)	(a)	(a)
M	73.3	55.0	18.3	2.7	64.2	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF June, 1916

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean ____.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
28.996	28.956	28.976	29.410	22	28.480	7	0.930	29.910	29.869	29.890	30.34	22	29.38	7	0.96
Corrected mean		28.972						Corrected mean		29.886	3,500-ft.			10,000-ft.	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
59.9	68.1	64.0	57.1	61.2	59.2	73.3	55.0	64.2	—	—	—	84	23	48	11	36	27	23	6	6

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
55.1	57.1	56.1	84.6	69.3	77.0	.440	.473	.456	0	0	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6374	8.9	SW	37	SW	2	4	9	7	6	6	13	7	8	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.9	4.7	6.1	57	5	16	9	1	8	8

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
None	None	None	2, 4, 14, 15, 16, 17, 21, 26, 30	0	0	0	15	15	0	0	0	0	4	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
5.78	1.78	6-7	—	0	—	—	0	—	0	17	15	7	1	17	0	0	0	0

(w) Maximum precipitation in 5 minutes .18, date 4"; 10 minutes .25, date 4"; 15 minutes .27, date 4";

30 minutes .44, date 4"; 1 hour .44, date 4"; 2 hours .81, date 20-21".

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
				None																

* The duration is the time precipitation was actually recorded.

8—154

Prepared by _____ C. M. L. Murphy, L. S., Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 191[illegible]

Number of Station barometer, 636; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28.732	29.62	78.9	71.9	69	10	71	78.9	[illegible]	26	30	SW	0	9	Strat	[illegible]	Cloudy	Halo, [illegible]	[illegible]	
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.0	66.0	66	0	100	[illegible]	[illegible]	16			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
7	[illegible]	[illegible]	66.0	28.718	.106	28.612	29.55	55.0	51.8	50	5	81	56.0	SW	26	30	SW	T	10	Stratus	[illegible]	Cloudy	[illegible]	[illegible]	7
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.1	[illegible]	1	71	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	T	10	Strat	[illegible]	Cloudy	[illegible]	[illegible]	
26	[illegible]	[illegible]	77.0	29.175	.137	29.038	29.95	78.0	66.8	59	19	52	78.0	SW	14			0	[illegible]	Cu St	SW	Clear	[illegible]	[illegible]	26
7	5:30 am	4:30 am				28.480	29.38	60.0																	7
22	11 am	10 am				29.410	30.34	62.0																	22

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of July, *191*6

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date no; amount of change in height of barometer, — feet (higher or lower).

No. of extra barometer, 675; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20, 1911, 7.00 A.M., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Berry & Calhoun street, room 911 912; first observation taken in present office, 7.00 A m. May 20, 191 1

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 1916

Number of Station barometer, 636; sum of corrections, .009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	76.0	29.279	.134	29.145	30.05	64.5	61.0	58	82	.482	74.5	61.3	NE	7			0	0	0	0	Clear		HAC	1
2	77.0	29.118	.136	28.982	29.88	71.8	66.8	65	78	.616	80.0	65.3	SW	9			0	0	0	0	Clear		HAC	2
3	79.0	29.118	.141	28.977	29.89	64.5	61.0	58	82	.482	76.2	62.0	N	6			0	8	Ci St.	NW	Cloudy		HAC	3
4	79.0	29.232	.142	29.090	30.00	66.1	61.1	58	76	.482	72.8	60.1	NE	5			0	0	0	0	Clear		HAC	4
5	81.5	29.362	.149	29.213	30.12	67.5	61.5	56	64	.448	81.0	63.2	NE	5			0	1	Ci	NW	Clear		HAC	5
6	81.0	29.360	.149	29.211	30.25	68.0	61.4	58	69	.482	78.5	60.3	NE	4			0	0	0	0	Clear		[illegible]	6
7	81.5	29.360	.149	29.211	30.12	67.2	62.2	58	68	.482	82.0	61.8	E	3			0	0	0	0	Clear		HAC	7
8	83.5	29.245	.154	29.091	30.00	72.0	67.8	61	68	.536	83.8	63.4	0	0			0	0	0	0	Clear		HAC	8
9	83.5	29.265	.154	29.111	30.02	62.0	57.7	58	88	.482	83.0	58.2	NE	9			0	10	St	NE	Cloudy		HAC	9
10	81.0	29.208	.147	29.061	29.97	63.2	58.7	56	77	.448	74.6	60.2	NE	8			0	9	St	NE	Cloudy		HAC	10
11	82.0	29.187	.150	29.037	29.94	74.0	69.8	68	81	.687	81.0	67.2	E	5			0	0	0	0	Clear		HAC	11
12	86.0	29.279	.158	29.121	29.99	74.4	71.2	70	85	.732	87.6	70.8	S	9			0	5	St	SW	Pt Cloudy		HAC	12
13	83.5	29.196	.154	29.042	29.93	73.0	70.0	69	86	.707	83.7	69.2	SW	8			0	0	0	0	Clear		HAC	13
14	82.0	29.287	.150	29.137	30.05	69.0	66.7	65	89	.616	72.0	66.3	NE	8			.02	0	0	0	Clear		HAC	14
15	81.0	29.329	.148	29.181	30.09	73.0	70.0	69	86	.707	74.0	68.3	E	2			0	2	St Cu	E	Clear		HAC	15
16	84.0	29.238	.155	29.083	29.97	78.0	71.2	68	72	.684	88.8	69.3	SE	2			0	[illegible]	St	[illegible]	Clear		HAC	16
17	86.0	29.212	.160	29.052	29.94	74.0	70.8	70	85	.732	83.0	71.2	NE	7			0	4	St Cu	NE	Pt Cloudy		HAC	17
18	85.0	29.241	.158	29.083	29.99	71.[illegible]	70.3	70	93	.732	80.3	69.2	NE	[illegible]			0	9	St	NE	Cloudy		HAC	18
19	86.0	29.212	.160	29.052	29.94	75.5	73.0	72	89	.783	85.5	72.8	NE	6			0	2	Ci	N	Clear		HAC	19
20	86.0	29.152	.160	28.992	29.88	75.2	72.7	71	89	.757	82.0	71.8	S	6			.21	4	St Cu	S	Pt Cloudy		HAC	20
21	83.0	29.164	.152	29.012	29.91	73.8	69.8	68	82	.684	76.4	71.8	NE	5			0	0	0	0	Clear		HAC	21
22	82.0	29.222	.150	29.072	29.92	71.5	64.0	60	61	.517	83.0	66.2	NW	1			0	1	St Cu	NW	Clear		HAC	22
23	83.5	29.220	.154	29.066	29.98	74.0	68.5	66	76	.628	77.7	67.2	S	1			0	0	0	0	Clear		HAC	23
24	86.0	29.284	.161	29.123	30.02	77.5	70.0	66	69	.638	[illegible]	[illegible]	[illegible]	[illegible]			0	0	0	0	Clear		HAC	24
25	87.0	29.334	.163	29.171	30.07	75.7	67.2	63	65	.575	88.0	68.1	N	8			0	1	Ci	W	Clear		HAC	25
26	88.5	29.384	.168	29.216	30.12	75.8	70.8	61	68	.661	84.0	71.2	[illegible]	1			0	0	0	0	Clear		HAC	26
27	91.0	29.432	.175	29.257	30.17	81.0	71.5	67	63	.651	91.9	75.3	[illegible]	2			0	0	0	0	Clear		HAC	27
28	92.0	29.430	.178	29.252	30.16	71.0	73.0	70	75	.732	94.0	72.5	E	1			0	0	0	0	Clear		HAC	28
29	[illegible]	[illegible]	[illegible]	[illegible]	30.17	71.0	75.1	[illegible]	18	[illegible]	72.0	72.2	E	1			0	0	0	0	Clear		HAC	29
30	91.0	29.360	.175	29.185	30.19	71.4	70.4	67	11	.661	72.1	74.8	—	6			0	0	0	0	Clear		HAC	30
31	88.5	29.341	.167	29.174	30.07	76.0	71.8	70	82	.732	89.2	74.1	SW	7			0	1	Ci St	SW	Clear		HAC	31
Sums	(a)	(a)				2234	2094.6	2013	2403	19.330	(a)	(a)	(a)	158	(a)	(a)	0.23	58	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)				72.7	67.6	64.9	77.5	.624	(a)	(a)	(c) NE	6.7	(a)	(a)	(a)	1.9	(c) St	(c) NE	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.	7.19 Meridian time	12.00 Noon
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	81.0	29.194	.147	29.047	29.96	80.0	69.9	65	61	.616	84.0	64.5	NE	4			0		St	NE	Clear			PMcC	1	79	68
2	82.0	28.791	.149	28.842	29.73	76.2	70.0	67	73	.661	84.4	71.8	NW	8			T	3	Sta	NW	Clear			MHC	2	87	58
3	80.0	29.122	.144	28.978	29.89	72.8	64.8	61	65	.536	77.0	64.5	NE	8			0	6 2	Ci. St. St.	NW NE	Cloudy			PMcC	3	75	59
4	84.0	29.238	.155	29.085	29.94	81.0	65.0	56	42	.448	84.1	66.1	NE	5			0	1	St Cu	NE	Clear			MHC	4	80	32
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	5	81	58
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	0	0	0	Clear			[illegible]	6	82	37
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2			0	0	0	0	Clear			PMcC	7	84	35
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0		St. Cu	[illegible]	Clear			[illegible]	8	87	27
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	Fu	St	[illegible]	Clear			[illegible]	9	76	59
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	[illegible]	Ci St	[illegible]	Clear			[illegible]	10	79	60
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	S	6			0	[illegible]	[illegible]	S	Clear			[illegible]	11	87	57
12	86.0	[illegible]	[illegible]	[illegible]	[illegible]	83.1	[illegible]	[illegible]	65	.732	84.0	74.4	SW	[illegible]			0	2	St	SW	Cloudy			[illegible]	12	86	65
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	13	87	58
14	[illegible]	[illegible]	[illegible]	[illegible]	30.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	14	85	67
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	[illegible]	[illegible]	[illegible]	Clear			[illegible]	15	88	64
16	81.0	29.164	.163	29.001	29.89	83.0	76.0	73	72	.810	92.3	78.0	N	4			0	9	Ci St	NW	Cloudy			[illegible]	16	87	64
17	86.0	29.200	.160	29.040	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			T	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	17	85	63
18	87.5	29.206	.164	29.042	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	18	87	14
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3			0	[illegible]	[illegible]	[illegible]	Cloudy			[illegible]	19	89	62
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	SW	.30	[illegible]	[illegible]	[illegible]	Cloudy			[illegible]	20	89	[illegible]
21	80.0	[illegible]	.160	[illegible]	[illegible]	83.0	66.0	56	40	[illegible]	[illegible]	[illegible]	[illegible]	2			0	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	21	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64	[illegible]	[illegible]	[illegible]	SW	5			.01	[illegible]	[illegible]	SW	Clear			[illegible]	22	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NW	[illegible]			0	1	[illegible]	[illegible]	Clear			[illegible]	23	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5			0	0	[illegible]	[illegible]	Clear			[illegible]	24	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	4	27	N	.01	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	25	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	26	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	27	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	1	[illegible]	[illegible]	[illegible]			[illegible]	28	[illegible]	
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				0	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	29	[illegible]	
30	94.5	29.364	.183	29.181	30.08	89.2	75.2	69	53	.707	98.1	77.4	SW	9			0	5	Ci St	SW	Cloudy			PMcC	30	94	44
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	[illegible]	26	NW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	31	[illegible]	[illegible]
Sums	(a)	(a)	(a)	901.398	929.32	2565.0	2214.5	2049	1843	20.172	(a)	(a)	(a)	148	(a)	(a)	336	108	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2888	1564
Means	(a)	(a)	(a)	29.077	29.978	82.7	71.4	66.1	59.5	.651	(a)	(a)	(c) NE	4.8	(a)	(a)	(a)	3.5	(c) Ci. St.	(c) NW	(a)	(a)	(a)	(a)	(a)	86.7	52.5

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 1916

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.	
	°	°	°	°	°																In.				In.	In.	In.	In.		
Saturday 1	84	61	23	2	72																0				0	0	0	0	1	
2	84	65	24	5	77																T				0	0	0	0	2	R R
3	77	62	15	7	70																0				0	0	0	0	3	
4	84	60	24	2	72																0				0	0	0	0	4	
5	84	63	21	2	74																0				0	0	0	0	5	
6	85	60	25	2	72																0				0	0	0	0	6	
7	87	62	25	2	74																0				0	0	0	0	7	
8	89	63	26	2	76																0				0	0	0	0	8	
9	79	58	21	8	68																0				0	0	0	0	9	
10	84	60	24	4	72																0				0	0	0	0	10	
11	93	67	26	8	80																0				0	0	0	0	11	
12	81	71	18	0	80																0				0	0	0	0	12	
13	89	68	21	2	78																.70				0	0	0	0	13	R
14	86	64	22	3	75																2.28				T	0	0	0	14	R
15	92	68	24	5	80																0				0	0	0	0	15	
16	92	69	23	0	80																0				0	0	0	0	16	R
17	90	71	19	0	80																T				0	0	0	0	17	R R
18	91	69	22	0	80																0				0	0	0	0	18	
19	93	73	20	3	83																0				0	0	0	0	19	
20	89	72	17	3	80																.51				0	0	0	0	20	R R
21	85	69	16	3	77																0				0	0	0	0	21	
22	92	66	26	2	79																.01				0	0	0	0	22	R
23	93	67	26	1	80																0				0	0	0	0	23	R ✓
24	93	70	23	2	82																0				0	0	0	0	24	
25	96	68	28	0	82																.01				0	0	0	0	25	R
26	98	71	27	2	84																0				0	0	0	0	26	
27	99	75	24	3	87																0				0	0	0	0	27	
28	98	73	25	1	86																0				0	0	0	0	28	✓
29	98	75	23	0	86																0				0	0	0	0	29	
30	98	75	23	0	86																0				0	0	0	0	30	
31	96	74	22	1	85																.08				0	0	0	0	31	R
S	2792	2089	703	75	2437		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	3.59		Total excess or deficiency since January 1,		T	0	(a)	(a)	(a)	
M	90.1	67.4	22.7	2.4	78.6	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF July, 1916

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.003.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.125	29.077	29.101	29.340	6	28.831	[illegible]	0.510	30.048	29.978	30.003	30.26	6	29.97	2	[illegible]
Corrected mean		29.098						Corrected mean		30.000	3,500-ft.	—		10,000-ft.	—

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
72.7	82.7	77.7	[illegible]	71.4	69.5	90.1	67.4	78.8	—	—	-	90	27	55	9	[illegible]	28	25	15	3

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative Humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor Pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
64.9	66.1	65.5	77.5	59.5	68.5	624	65.1	638	0	15	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
4420	5.9	NE	40	NE	13	7	24	10	4	5	6	0	5	1

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
1.9	3.5	3.0	79	19	12	0	2	4	0

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
none	none	none	7, 13, 14, 16, 17, 20, [illegible]	13"	none	none	[illegible]	6	[illegible]	none	none	none	14	none

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.59	2.33	13-14"	—	0	—	2.18 ~~1.00~~	0 8	14"	2	6	4	3	1	8	0	0	0	0

(w) Maximum precipitation in 5 minutes .81, date 14"; 10 minutes 1.09, date 14"; 15 minutes 1.26, date 14";
30 minutes 2.10, date 14"; 1 hour 2.27, date 14; 2 hours 2.27, date 14.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
14"	2:00P	6:15P	2.28	2:21P	2:56P	.01	.35	.60	.85	1.04	1.22	[illegible]	[illegible]							
13"	1:00P	3:00P	.65	1:06P	1:33P	.01	.07	.30	.39	.46	.53	.57								

* The duration is the time precipitation was actually recorded.

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Prepared by _____ C. M. Dorrough, L. C. F., Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., *for the Month of* July, *191*

Number of Station barometer, 656; *sum of corrections,* −.009 *inch.*

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
2	6 pm	6 pm				28.830	29.72	79.0																	
6	6 am	6 am				29.340	30.26	70.0																	

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of August, *191*6

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date No; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 615; sum of corrections, -.04; date and observation upon which use of station barometer commenced, May 20, 1911. 7:00 A.M., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 911 Ind; first observation taken in present office, 7:00 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1916

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.17 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	6.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	2
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	3
4	85.0	29.231	.158	29.073	29.97	72.7	70.2	69	89	.707	87.2	67.9	S	6			.80	1	Ci. St.	NW	Clear		P. Mead	4
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			T	[illegible]	St. [illegible]	[illegible]	[illegible]		[illegible]	5
6	[illegible]	[illegible]	.16	[illegible]	[illegible]	14.9	14.1	[illegible]	76	[illegible]	[illegible]	74.0	[illegible]	[illegible]			0	1	St	SE	Clear		P. Mead	6
7	[illegible]	[illegible]	.170	[illegible]	[illegible]	[illegible]	[illegible]	71	79	.757	83.0	75.0	SW	9			0	2	St	SW	[illegible]		[illegible]	7
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91	[illegible]	[illegible]	[illegible]	SW	[illegible]			T	10	St	SW	Cloudy		[illegible]	8
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.1	60.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			0	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	9
10	80.0	29.246	.145	29.101	30.01	68.8	62.3	59	70	.499	79.4	62.4	SE	9			0	8	St. Cu.	S	Cloudy		P. Mead	10
11	83.0	29.304	.153	29.151	30.06	72.0	70.8	71	94	.757	82.0	69.0	SE	4			.66	9	St. Cu.	S	Cloudy		P. Mead	11
12	[illegible]	[illegible]	[illegible]	29.296	30.22	66.1	60.0	[illegible]	70	[illegible]	[illegible]	[illegible]	[illegible]	7			0	1	St	NE	Clear		P. Mead	12
13	80.5	29.396	.147	29.249	30.17	59.0	54.2	50	74	.360	79.6	58.6	NE	10			0	9	St	NE	Cloudy		P. Mead	13
14	77.5	29.290	.138	29.152	30.07	58.0	53.0	49	72	.347	69.8	53.9	E	3			0	2	Cu. St	NW	Clear		P. Mead	14
15	77.0	29.110	.136	28.974	29.88	64.7	60.6	58	79	.482	72.8	62.4	SE	1			0	10	St	SE	Cloudy		P. Mead	15
16	78.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70	.661	[illegible]	[illegible]	[illegible]	7			0	0	[illegible]	[illegible]	[illegible]		[illegible]	16
17	81.0	[illegible]	[illegible]	[illegible]	[illegible]	68.5	65.3	53	5	.575	81.0	65.6	N	2			0	0	0	0	Clear		P. Mead	17
18	[illegible]	[illegible]	[illegible]	[illegible]	30.18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4			0	7	[illegible]	[illegible]	[illegible]		[illegible]	18
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76.6	74.6	73	[illegible]	.810	86.2	72.4	SW	2			0	1	P. St.	[illegible]	Clear		[illegible]	19
20	86.5	29.387	.163	29.224	30.13	74.2	70.2	68	82	.684	78.0	72.1	S	2			0	1	St	SW	Clear		P. Mead	20
21	89.0	29.312	.169	29.143	30.03	82.0	73.3	70	66	.732	89.3	74.7	0	0			0	0	0	0	Clear		P. Mead	21
22	89.0	29.241	.168	29.073	29.97	74.1	69.2	67	78	.661	90.7	72.9	SW	10			0	0	0	0	Clear		P. Mead	22
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									[illegible]	23
24	78.0	29.174	.139	29.035	29.96	60.5	55.0	51	71	.373	72.2	55.6	SW	9			0	0	0	0	Clear		P. Mead	24
25	80.0	[illegible]	.145	28.995	29.91	[illegible]	60.2	57	75	.465	79.0	61.9	N	4			0	1	St. Cu.	NE	Clear		P. Mead	25
26	79.5	[illegible]	.143	29.007	29.92	63.0	61.0	60	[illegible]	[illegible]	[illegible]	[illegible]	SW	[illegible]			0	[illegible]	St	SW	Cloudy		P. Mead	26
27	78.0	29.254	.140	29.114	30.03	58.3	55.8	54	86	.417	75.3	58.0	NE	9			.15	7	St. Cu.	NE	Pt. Cloudy		P. Mead	27
28	75.5	29.442	.134	29.308	30.24	56.0	50.0	45	66	.298	66.1	51.6	N	4			0	0	0	0	Clear		P. Mead	28
29	74.0	[illegible]	.130	[illegible]	[illegible]	57.4	44.3	42	[illegible]	[illegible]	[illegible]	53.0	S	0			0	0	0	0	Clear		P. Mead	29
30	74.0	29.394	.130	29.264	30.19	58.0	54.0	51	77	.373	72.0	56.2	SW	8			0	1	Ci. Cu.	W	Clear		P. Mead	30
31	73.5	29.376	.129	29.247	[illegible]	62.0	58.0	55	74	.432	77.0	57.5	[illegible]	1			0	0	0	0	[illegible]		P. Mead	31
Sums		(a)	(a)	903.692	931.94	2100.6	1960.3	1877	2420	15.995	(a)	(a)	(a)	171	(a)	(a)	1.61	114	(a)	(a)	(a)		(a)	
Means		(a)	(a)	29.151	30.063	67.8	63.2	60.5	78.1	.548	(a)	(a)	(c) SW	5.5	(a)	(a)	(a)	3.7	(c) St.	(c) NE SW NW	(a)		(a)	

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.	12:00, noon, 90th merid. time. Dry thermometer.	12:00, noon, 90th merid. time. Relative humidity.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		[illegible]	[illegible]	[illegible]			[illegible]	1	73	53
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77	.336	85.0	64.0	W	3			0	0	0	0	Clear			[illegible]	2	83	43
3	86.5	29.144	.162	28.982	29.87	87.2	71.2	63	46	.575	93.2	70.8	SW	1			0	10	St	SW	Cloudy			[illegible]	3	92	35
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	78	92	.957	71.2	72.7	S	6			T	9	Nb & St	SW	Sprinkling			[illegible]	4	83	46
5	81.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.7	[illegible]	[illegible]	4			0	4	[illegible]	[illegible]	Cloudy			[illegible]	5	88	58
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.0	66.0	71	58	.757	93.2	79.9	SW	6			0	1	St	SW	Clear			[illegible]	6	71	56
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76	75	.896	93.4	75.0	SW	6			0.1	8	Nb	SW	Clou			[illegible]	7	92	45
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65	.616	86.1	72.2	N	6			.18	1	St	N	Clear			[illegible]	8	79	77
9	85.5	29.189	.159	29.030	29.93	79.4	67.2	61	53	.536	83.2	67.4	NE	3			0	1	St	NE	Clear			[illegible]	9	73	57
10	85.0	29.211	.158	29.053	29.96	82.0	75.0	72	72	.783	88.2	68.8	SW	6			T	2 7	Ci St Sta	W SW	Cloudy			[illegible]	10	85	63
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	11	78	77
12	84.0	29.287	.156	29.131	30.04	79.6	68.6	63	57	.575	83.2	66.1	NW	4			0	3	St Cu	NW	Clear			[illegible]	12	78	57
13	84.5	29.322	.157	29.165	30.08	69.8	57.3	48	46	.334	74.1	59.0	N	4			0	1	Ci St	NW N	Clear			[illegible]	13	69	36
14	78.5	29.163	.141	29.022	29.94	73.3	69.6	70	76	.360	77.1	68.0	S	4			0	9	St	SW	Cloudy			[illegible]	14	73	36
15	78.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.601	[illegible]	[illegible]	SW	1			[illegible]	[illegible]	[illegible]	SW	Cloudy			[illegible]	15	75	57
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.611	81.5	70.2	W	4			0	2	St	NW	Clear			[illegible]	16	80	64
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.0	[illegible]	[illegible]	[illegible]	[illegible]	90.1	[illegible]	[illegible]	4				2	[illegible]	W	Clear			[illegible]	17	87	36
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			.24	[illegible]	[illegible]	SW	Clear			[illegible]	18	78	100
19	88.0	29.370	.166	29.204	30.11	78.0	73.2	71	80	.757	95.7	76.6	SE	3	27 SW		.04	2	St Cu	NE	Clear			[illegible]	19	73	[illegible]
20	83.0	29.323	.177	29.146	30.05	89.3	78.3	74	62	.838	96.2	74.2	S	3			0	1	St	S	Clear			[illegible]	20	75	[illegible]
21	82.5	29.242	.180	29.062	29.95	90.7	76.7	71	53	.757	96.1	82.0	S	3			0	2	Ci	SW	Clear			[illegible]	21	[illegible]	[illegible]
22																									22		
23	82.0	29.172	.150	29.042	29.96	82.2	61.0	54	52	.717	77.4	60.0	NW	4			0	1	Ci	NW	Clear			[illegible]	23	74	37
24	82.0	29.048	.147	28.899	29.81	79.0	64.0	55	47	.732	84.0	[illegible]	W	1			0	3	Asc St	W	Pt Cloudy			[illegible]	24	82	37
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6			0	0	0	0	Clear			[illegible]	25	[illegible]	[illegible]
26	80.0	29.101	.144	28.957	29.87	75.3	64.0	58	54	.482	77.8	63.0	SW	6			T	7	St Cu	W	Pt Cloudy			[illegible]	26	76	45
27	78.5	29.313	.141	29.172	30.07	66.1	55.0	46	44	.310	72.0	[illegible]	N	6			0	9	St	N	Cloudy			[illegible]	27	70	37
28	[illegible]	[illegible]	.143	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	1	[illegible]	[illegible]	Clear			[illegible]	28	[illegible]	[illegible]
29	77.0	29.320	.137	29.183	30.10	72.0	57.8	47	41	.322	78.1	57.4	S	6			0	Few	St	SW	Clear			[illegible]	29	75	31
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	Clear			[illegible]	30	[illegible]	[illegible]
31	78.5	29.277	.141	29.136	30.05	77.2	62.2	52	42	.337	84.3	63.0	S	10			0	5	Ci	SW	Pt Cloudy			[illegible]	31	3	5[illegible]
Sums	(a)	(a)	(a)	901.664	929.79	2439	2039	1911	1774	17.865	(a)	(a)	(a)	157	(a)	(a)	0.49	131	(a)	(a)	(a)	0	0	(a)	(a)	2532	1548
Means	(a)	(a)	(a)	29.086	29.993	78.8	67.9	61.6	57.2	.576	(a)	(a)	(c) NW	5.1	(a)	(a)	(a)	4.2	(c) St.	(c) SW	(a)	(a)	(a)	(a)	(a)	81.7	49.9

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1916

Date.	Temperature. Maximum. (b) °	Minimum. (b) °	Range. (b) °	Change. (b) °	Mean (max. and min.). (b) °	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) †† In.	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. p.m. to p.m. *‡‡ In.	Snow unmelted. p.m. to p.m. *‡‡ In.	Hail, sleet, and snow on ground at p.m. *‡‡ In.	Amount of precipitation from melted snow (mid. to mid.). In.	Date.
1	78	69	19	1	71																0				0	0	0	0	1
2	84	61	23	2	75																0				0	0	0	0	2
3	93	69	24	3	77																.12				0	0	0	0	3
4	91	68	23	3	80																.68				0	0	0	0	4
5	92	74	18	3	83																0				0	0	0	0	5
6	92	75	17	1	84																0				0	0	0	0	6
7	93	75	18	0	84																.01				0	0	0	0	7
8	86	70	16	6	78																.18				0	0	0	0	8
9	83	65	18	4	74																0				0	0	0	0	9
10	88	62	26	1	75																.13				0	0	0	0	10
11	82	68	14	0	75																.48				0	0	0	0	11
12	83	64	19	1	74																0				0	0	0	0	12
13	74	57	17	8	66																0				0	0	0	0	13
14	77	54	23	0	66																0				0	0	0	0	14
15	78	62	16	4	70																.02				0	0	1		15
16	88	69	19	3	78																0				0	0	0	0	16
17	71	66	35	0	78																0				0	0	0	0	17
18	90	69	21	2	80																.24				0	0	0	0	18
19	76	72	23	4	84																.04				0	0	0	0	19
20	86	72	24	0	84																0				0	0	0	0	20
21	97	75	22	2	86																0				0	0	0	0	21
22	91	63	28	9	77																T				0	0	0	0	22
23	77	58	19	9	68																0				0	0	0	0	23
24	84	56	28	2	70																0				0	0	0	0	24
25	83	62	21	2	72																0				0	0	0	0	25
26	80	60	20	2	70																.13				0	0	0	0	26
27	72	58	14	5	65																.02				0	0	0	0	27
28	74	52	22	2	63																0				0	0	0	0	28
29	78	53	25	3	66																0				0	0	0	0	29
30	83	56	27	4	70																0				0	0	0	0	30
31	84	60	24	2	72																0				0	0	0	0	31
S	2644	1984	660	107	2316		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.10		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	85.3	64.0	21.3	3.5	74.7	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF August, 1916.

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.004)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.157	29.086	29.118	29.330	1	28.880	24	0.450	30.063	29.993	30.028	30.26	1	29.79	24	0.47
Corrected mean 29.114								Corrected mean 30.024			2,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	Dry. 8 p. m.	Dry. (8+8)÷2 (g)	Wet. 8 a. m.	Wet. 8 p. m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
67.8	78.8	73.3	63.2	67.9	65.6	85.3	64.0	74.6	—	—	—	97	21	52	28	45	29	3	14	11

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative Humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor Pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
60.5	61.6	61.0	78.1	57.2	67.6	.548	.576	.562	0	10	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
4845	6.5	SW	27	SW	19	7	8	2	5	10	16	3	10	1

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
3.7	4.2	4.1	70	15	11	5	1	6	4

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	3, 4, 7, 8, 10, 19, 22	0	14	0	0	0	1, 22	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.10	0.80	3-4		None		None			1	11	8	2	0	12	0	0	0	0

(w) Maximum precipitation in 5 minutes .16, date 4; 10 minutes .31, date 4; 15 minutes .44, date 4;
30 minutes .60, date 4; 1 hour .67, date 4; 2 hours .68, date 4.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
3-4	10.30 P	3.15 A	.80	2.36 A	2.46 A	.20	.12	.30	.42	.56										

* The duration is the time precipitation was actually recorded.

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Prepared by ..... J. M. Donnegal L.F., Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1916

Number of Station barometer, 656; sum of corrections, -009 inch.

Date.	Time.		Barometer.					Thermometers.		Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind.				Precipitation. ††	Clouds.			State of Weather.	Special Phenomena.	Initials of Observer.	Date.
	75th Mer.	Local (standard).	Attached thermometer.	Observed reading.	Total correction.	Station. (Observed reading plus total cor.)	Reduced to sea-level.	Dry.	Wet.					Direction.	Velocity. †	Max. since last observation.	Direction.		Amt.	Kind.	Dir. from.				

SPECIAL OBSERVATIONS.

If additional space is required, rule a sheet similar to this, and paste to this margin.

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

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Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of September, *191*6

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date No; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 6.5; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20, 1911 7.00 A.M., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 911-912; first observation taken in present office, 7.00 a.m. May 20, 191

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 191[illegible]

Number of Station barometer, 606; sum of corrections, [illegible] inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO [illegible] A. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	77.0	29.269	-.137	29.132	30.04	67.5	61.0	57	69	.465	77.2	65.9	SW	25			.02	10	Nb	SW	Sprinkling		H.T.C.	1
2	75.0	29.386	-.133	29.253	30.17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10			T	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	2
3	[illegible]	[illegible]	[illegible]	29.412	30.04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.5	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	3
4	[illegible]	[illegible]	[illegible]	29.201	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	4
5	71.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	5
6	[illegible]	[illegible]	[illegible]	29.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	6
7	81.0	29.139	-.147	28.992	29.88	75.2	71.0	69	81	.707	82.0	72.3	S	10			0	1	St.Cu.	SW	Clear		H.T.C.	7
8	[illegible]	[illegible]	[illegible]	29.070	29.98	68.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10			.05	10	St	NW	Cloudy		[illegible]	8
9	[illegible]	[illegible]	-.142	29.258	30.19	59.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	9
10	75.0	29.414	-.133	29.281	30.21	57.2	52.7	49	74	.347	68.0	53.1	NE	6			0	1	Ci.Cu.	SW	Clear		H.T.C.	10
11	74.0	29.411	-.130	29.281	30.20	65.3	62.8	61	87	.536	71.8	59.1	SE	4			0	3	St.Cu.	SW	Clear		H.T.C.	11
12	74.0	29.388	-.140	29.248	30.16	69.0	64.4	62	77	.555	79.0	69.0	[illegible]	6			0	1	Ci	W	Clear		H.T.C.	12
13	71.0	[illegible]	[illegible]	[illegible]	[illegible]	63.3	61.3	[illegible]	70	.536	[illegible]	[illegible]	[illegible]	[illegible]			0	10	St	[illegible]	Cloudy		[illegible]	13
14	75.0	[illegible]	-.132	29.123	30.04	61.0	[illegible]	55	[illegible]	.432	61.0	60.0	NW	2			0	10	St	SW	Cloudy		[illegible]	14
15	72.0	29.234	-.124	29.110	30.03	50.2	47.2	44	81	.287	66.3	49.1	W	12			0	0	0	0	Clear		H.T.C.	15
16	66.0	29.422	-.109	29.313	30.25	40.7	36.2	30	65	.164	51.0	37.6	SW	7			0	0	0	0	Clear		H.T.C.	16
17	64.0	29.296	-.103	29.193	30.12	52.5	45.0	37	56	.219	58.3	50.1	SW	12			0	1	St	SW	Clear		[illegible]	17
18	62.0	[illegible]	-.101	29.362	30.20	41.2	38.0	34	75	.195	53.8	38.1	NW	1			0	1	St	[illegible]	Clear		[illegible]	18
19	61.0	29.446	-.095	29.351	30.30	41.7	38.2	34	73	.195	52.2	36.3	SW	1			0	0	0	0	Clear		H.T.C.	19
20	69.0	29.316	-.116	29.200	30.13	50.0	45.7	41	72	.256	62.9	47.5	SW	1			0	0	0	0	Clear		H.T.C.	20
21	70.0	29.009	-.118	28.891	29.80	61.9	54.5	49	62	.347	68.8	61.5	SW	12			0	9	St	SW	Cloudy		H.T.C.	21
22	69.0	28.927	-.115	28.812	29.72	52.0	46.1	40	64	.247	66.0	50.3	S	10			.02	3	A.Cu.	SW	[illegible]		H.T.C.	22
23	67.0	29.160	-.116	29.044	29.97	47.0	44.5	42	83	.266	57.1	42.5	W	8			0	0	0	0	Clear		H.T.C.	23
24	67.0	29.334	-.111	29.223	30.15	40.0	38.4	37	87	.219	58.6	38.1	SW	5			0	7	St. Lt. Fog	W SW	Pt. Clear		H.T.C.	24
25	67.0	29.359	-.116	29.243	30.17	50.0	44.0	37	62	.219	62.0	45.2	SW	6			0	0	0	0	Clear		H.T.C.	25
26	70.0	29.169	-.118	29.051	29.96	64.6	59.0	55	72	.432	72.0	63.7	S	8			0	4	A.Cu. St.	SW SW	Cloudy		H.T.C.	26
27	74.5	28.959	-.129	28.830	29.72	72.4	60.4	52	49	.387	77.0	71.1	S	24	27	S	0	9	St.Cu.	S	Cloudy		H.T.C.	27
28	74.0	29.090	-.128	28.962	29.88	60.5	59.0	58	92	.482	63.3	60.0	SW	8			.36	10	St	SW	Cloudy		H.T.C.	28
29	68.0	29.314	-.113	29.201	30.13	43.3	41.0	39	83	.237	54.0	43.3	NW	10			.02	6	St.Cu.	NW	Pt. Cloudy		H.T.C.	29
30	69.0	29.528	-.117	29.411	30.36	39.0	36.5	33	80	.187	46.0	34.3	W	3			0	0	0	0	Clear		H.T.C.	30
31																								31
Sums		(a)	(a)	874.729	902.33	1709.9	1581.2	1477	2298	11.820	(a)	(a)	(a)	219	(a)	(a)	1.52	128	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.1[illegible]	30.078	56.8	52.7	49.2	76.6	.377	(a)	(a)	(c) SW	7.3	(a)	(a)	(a)	4.3	(c) St.	(c) SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.	Dry Thermometer	Relative Humidity
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			T	3	St	[illegible]	Cloudy			[illegible]	1	75	63
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.2	50.4	NE	6			T	0	0	0	Clear			[illegible]	2	66	52
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.1	57.7	46	40	.210	77.3	52.3	S	2			0	1	St	S	Clear			[illegible]	3	74	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.0	67.0	64	[illegible]	[illegible]	82.5	61.4	[illegible]	5			0	[illegible]	St	SW	Clear			[illegible]	4	82	38
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6			T	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	5	79	54
6	85.0	29.150	.158	28.992	29.89	82.0	71.3	67	59	.661	87.0	69.4	S	3			0	1	St	SW	Clear			PMcl	6	83	56
7	84.5	29.100	.156	28.944	29.84	77.2	71.0	68	74	.684	80.6	75.2	SW	14	29	SW	T	5	St	SW	Cloudy			[illegible]	7	87	52
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4			0	0	0	0	Clear			PMcl	8	71	64
9	80.0	29.392	.146	29.246	30.18	68.0	58.0	51	55	.373	76.1	59.4	NE	9			0	0	0	0	Clear			PMcl	9	70	63
10	77.0	29.370	.137	29.233	30.15	71.8	61.8	56	57	.448	77.2	57.2	E	5			0	10	Ci St	SW	Cloudy			NTC	10	75	44
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.0	73.2	70	76	[illegible]	83.2	65.3	SE	6			0	1	Ci St	SE	Clear			PMcl	11	83	62
12	[illegible]	[illegible]	.151	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62.0	[illegible]	[illegible]			[illegible]	[illegible]	St	[illegible]	Clear			[illegible]	12	83	52
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.0	[illegible]	[illegible]	70	[illegible]	63.0	62.8	NW	2			T	10	St	NW	Cloudy			[illegible]	13	66	76
14	75.0	29.180	.132	29.048	29.97	66.3	59.0	54	65	.417	72.6	61.0	W	5			0	4	Ci St	W NW	Cloudy			PMcl	14	72	47
15	70.5	29.320	.120	29.200	30.13	51.0	43.0	34	51	.195	60.3	50.2	W	8			0	1	St	W	Clear			PMcl	15	58	38
16	73.0	29.260	.113	29.147	30.08	58.3	46.8	34	40	.195	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	St	[illegible]	[illegible]			PMcl	16	57	[illegible]
17	[illegible]	[illegible]	.108	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	17	54	[illegible]
18	[illegible]	[illegible]	.107	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	.180	60.0	41.2	NW	3			0	1	St	NW	Clear			NTC	18	56	26
19	69.0	29.310	.116	29.194	30.12	42.9	50.9	40	42	.247	68.8	41.7	SW	8			0	0	0	0	Clear			PMcl	19	65	30
20	72.0	29.136	.124	29.012	29.93	68.3	55.3	45	42	[illegible]	76.4	50.0	[illegible]	10			0	3	St	S	Clear			PMcl	20	72	27
21	72.5	28.968	.124	28.844	29.75	66.0	51.0	36	33	.211	72.0	61.7	SW	7	25	SW	0	4	St	SW	P Cloudy			PMcl	21	70	27
22	68.0	29.000	.112	28.888	29.81	57.1	50.0	44	61	.287	68.7	52.0	W	11	31	SW	T	0	0	0	Clear			PMcl	22	[illegible]	[illegible]
23	70.0	29.242	.118	29.124	30.05	58.6	50.0	42	54	[illegible]	62.6	47.0	NW	3			0	0	0	0	Clear			PMcl	23	[illegible]	9
24	68.5	29.267	.115	29.152	30.08	62.0	49.0	35	37	.203	71.7	40.0	NW	8			0	0	0	0	Clear	Fl. 5A E 7.40			24	[illegible]	[illegible]
25	72.5	29.246	.125	29.121	30.04	72.0	54.6	39	30	.237	79.2	50.0	SE	8			0	0	0	0	Clear			PMcl	25	75	26
26	76.0	29.044	.133	28.911	29.82	77.0	63.0	54	46	.417	85.6	64.6	S	10	27	SW	0	2	St	S	Clear			PMcl	26	84	38
27	75.0	28.987	.131	28.856	29.77	63.0	63.0	63	100	.575	82.7	63.0	SW	14	40	SW	.40	10	Nb	SW	Lt Rain Fr			PMcl	27	79	41
28	71.5	29.128	.122	29.006	29.94	54.0	52.2	50	89	.360	68.4	54.0	SW	7			.04	10	St	SW	Cloudy			PMcl	28	68	64
29	70.5	29.434	.121	29.313	30.25	46.0	39.1	30	54	.164	54.3	43.2	NW	6			0	0	0	0	Clear			PMcl	29	50	62
30	70.5	29.484	.121	29.363	30.31	51.0	42.0	31	45	.172	56.0	39.0	E	4			0	0	0	0	Clear			PMcl	30	54	38
31																									31		
Sums		(a)	(a)	873.569	901.41	1981.8	1647.3	1465	1673	11.368	(a)	(a)	(a)	219	(a)	(a)	0.44	87	(a)	(a)	(a)	1	0	(a)	(a)	2099	844
Means		(a)	(a)	29.119	30.040	66.1	54.6	48.8	55.8	.379	(a)	(a)	(c)	7.3	(a)	(a)	(a)	2.9	(c) St.	(c) SW	(a)	(a)	(a)	(a)	(a)	(a)	70.0	46.6

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1916

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. p.m. to p.m. *‡‡	Snow unmelted. p.m. to p.m. *‡‡	Hail, sleet, and snow on ground at p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Friday 1	77	66	11	0	72																.02				0	0	0	0	1
2	74	54	20	8	64																T				0	0	0	0	2
3	77	47	30	2	62																0				0	0	0	0	3
4	86	55	31	8	70																0				0	0	0	0	4
5	88	65	23	6	76																1.00				0	0	0	0	5
6	87	66	21	0	76																.02				0	0	0	0	6
7	91	72	19	6	82																.02				0	0	0	0	7
8	76	60	16	14	68																.06				0	0	0	0	8
9	76	55	21	2	66																0				0	0	0	0	9
10	77	53	24	1	65																0				0	0	0	0	10
11	83	59	24	6	71																0				0	0	0	0	11
12	86	67	19	5	76																0				0	0	0	0	12
13	69	63	7	10	66																T				0	0	0	0	13
14	73	55	18	2	64																0				0	0	0	0	14
15	60	44	16	12	52																T				0	0	0	0	15
16	62	38	24	2	50																0				0	0	0	0	16
17	63	44	19	4	54																T				0	0	0	0	17
18	60	38	22	5	49																0				0	0	0	0	18
19	69	36	33	3	52																0				0	0	0	0	19
20	76	48	28	10	62																0				0	0	0	0	20
21	72	57	15	2	64																.02				0	0	0		21
22	69	48	21	6	58																T				0	0	0	0	22
23	63	42	21	6	52																0				0	0	0	0	23
24	72	38	34	3	55																0				0	0	0	0	24
25	79	45	34	7	62																0				0	0	0	0	25
26	86	64	22	13	75																0				0	0	0	0	26
27	83	63	20	2	73																.76				0	0	0	0	27
28	68	47	21	15	58																.04				0	0	0	0	28
29	54	39	15	12	46																.02				0	0	0	0	29
30	56	34	22	1	45																0				0	0	0	0	30
31																													31
S	2217	1561	651	173	1885		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.96		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	737	520	217	58	628	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF September, 1916

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.158	29.119	29.138	29.430	30	28.730	27	.7	30.078	30.040	30.059	30.38	30	29.62	27	.7
Corrected mean		29.133						Corrected mean		30.054	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
56.8	66.1	61.4	52.7	56.6	54.6	73.7	53.0	62.8	—	—	—	91	7	34	30	57	34	25	7	13

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
49.2	48.8	49.0	76.6	65.8	66.2	.377	.379	.378	0	1	0	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6483	9.0	SW	40	SW	27	2	6	2	4	10	19	6	11	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.3	2.9	4.9	58	11	13	6	1	5	3

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
16, 20	18, 19, 30	None	3, 7, 21, 27	27	10	10	24	0	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.96	1.02	5-6"	None			None			4	9	4	2	1	13	0	0	0	0

(w) Maximum precipitation in 5 minutes .34, date 5"; 10 minutes .49, date 5"; 15 minutes .58, date 5"; 30 minutes .67, date 5"; 1 hour .73, date 5"; 2 hours .91, date 5".

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
5-6	8.40 P	D.N.A.	.92	9.36 P	9.56 P	.01	.15	.45	.58	.63										

* The duration is the time precipitation was actually recorded.

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Prepared by P. McDonough L.F., Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1910.

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
27	4 PM	3 P.M.				28.730	29.62	00.0																	
"	9 AM	9 AM				29.430	30.38	00.0																	

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of October, *191*6

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date No; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer 675; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20, 1911, 7 00 AM, station elevation, 556 feet; actual elevation, 556 feet.

Location of office: Number Cor Berry & Calhoun street, room 711-712; first observation taken in present office, [illegible] m. May 20, 191

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October, 1916

Number of Station barometer, 656; sum of corrections, -.004 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.17 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	67.5	29.550	-.113	29.437	30.39	38.4	35.9	32	79	.180	51.0	35.8	E	5			0	0	0	0	Clear		P. Mad	1
2	68.0	29.500	-.114	29.386	30.33	43.2	40.6	38	81	.228	59.1	40.3	E	4			0	Few	Ci	W	Clear		P. Mad	2
3	70.5	29.426	-.121	29.305	30.24	46.0	43.0	40	79	.247	66.4	44.0	E	6			0	Few	Ci	W	Clear		P. Mad	3
4	70.5	29.430	-.121	29.309	30.24	46.3	43.3	40	79	.247	69.4	45.6	E	3			0	0	0	0	Clear		P. Mad	4
5	72.5	29.492	-.126	29.366	30.50	54.4	49.0	44	68	.287	72.5	50.3	SE	1			0	0	0	0	Clear		P. Mad	5
6	75.0	29.433	-.133	29.300	30.23	56.3	53.3	51	82	.373	73.5	55.5	NW	3			0	1	Ci. Cu.	N	Clear		P. Mad	6
7	74.0	29.440	-.130	29.310	30.24	52.4	49.5	47	82	.322	65.4	50.6	E	1			0	Few Lt	Ci Haze	SW —	Clear		P. Mad	7
8	75.0	29.314	-.132	29.182	30.10	61.3	58.3	56	84	.448	75.6	61.3	S	8			0	0	0	0	Clear		P. Mad	8
9	76.5	29.290	-.136	29.154	30.07	56.4	55.9	55	97	.432	78.0	56.4	N	10			.14	10	St	N	Cloudy		P. Mad	9
10	76.0	29.680	-.136	29.544	30.49	37.2	35.2	32	83	.180	50.2	34.8	NE	6			0	0	0	0	Clear		P. Mad	10
11	71.0	29.521	-.122	29.399	30.35	37.0	35.0	32	83	.180	48.0	33.8	SW	4			0	0	0	0	Clear		P. Mad	11
12	70.0	29.388	-.119	29.269	30.21	49.0	42.2	34	56	.195	53.5	42.8	S	7			0	10	St	S	Cloudy		P. Mad	12
13	68.5	29.002	-.114	28.888	29.81	58.1	58.1	58	100	.482	62.4	56.3	SW	22	26	SW	.27	10	Nb	SW	Lt. Rain		P. Mad	13
14	70.0	29.520	-.119	29.401	30.35	37.8	36.8	36	91	.211	47.8	36.6	SW	3			0	1 Lt	Ci St. Fog	W SW	Clear		J. H. C.	14
15	67.0	29.172	-.110	29.062	29.99	48.1	45.0	42	79	.266	54.6	46.7	SW	8			0	10	St	SW	Cloudy		P. Mad	15
16	67.0	29.084	-.110	28.974	29.90	53.0	51.0	49	88	.347	53.0	50.4	SW	7			T	10	St	SW	Cloudy		P. Mad	16
17	68.0	29.325	-.113	29.212	30.14	41.0	37.2	32	71	.180	63.7	40.2	NW	6	30	NW	T	0	0	0	Clear		P. Mad	17
18	68.5	29.444	-.115	29.329	30.28	36.0	33.4	30	77	.164	44.9	33.0	E	8			0	7	Ci St.	W	Pt. Cloudy		P. Mad	18
19	69.0	28.824	-.114	28.710	29.63	49.0	48.5	48	96	.334	54.0	47.4	NE	5			.54	10	Nb	NE	Lt. Rain		P. Mad	19
20	70.5	28.557	-.117	28.440	29.35	58.6	57.1	57	92	.465	58.6	52.8	S	14			.30	10	Nb	SE	Lt. Rain		P. Mad	20
21	65.0	29.004	-.104	28.900	29.85	37.0	36.5	36	95	.211	37.0	34.0	SW	16	42	SW	T	10	St	SW	Cloudy		P. Mad	21
22	65.0	29.374	-.105	29.269	30.22	33.2	31.7	29	85	.157	38.8	31.0	S	8			0	1	St	S	Clear		P. Mad	22
23	69.0	29.550	-.117	29.433	30.38	38.0	35.0	31	75	.172	47.3	37.4	SE	6			0	0	0	0	Clear		P. Mad	23
24	69.0	29.506	-.117	29.389	30.33	45.4	44.9	44	96	.287	56.5	45.4	NE	6			.01	10	St	NE	Cloudy		P. Mad	24
25	70.5	28.950	-.119	28.831	29.74	55.4	46.9	38	52	.228	55.4	48.2	S	18			0	6 2	Ci St. St Cu.	SW S	Cloudy		P. Mad	25
26	68.0	29.313	-.113	29.200	30.14	33.3	32.1	30	88	.164	45.0	33.3	SW	8	30	W	0	0	0	0	Clear		P. Mad	26
27	66.5	29.184	-.109	29.075	30.02	45.6	40.1	33	62	.187	47.9	44.6	SW	16			0	1	St Cu.	[illegible]	Clear		P. Mad	27
28	69.0	29.480	-.117	29.363	30.31	38.0	35.2	31	77	.172	51.0	37.8	E	5			0	0	0	0	Clear		P. Mad	28
29	70.5	29.300	-.120	29.180	30.11	48.9	42.8	36	60	.211	57.2	47.9	S	9			0	1	St	S	Clear		P. Mad	29
30	71.5	29.320	-.122	29.198	30.13	48.0	48.0	48	100	.334	63.7	45.2	NW	7			0	Dense	Fog	NW	Foggy		P. Mad	30
31	69.0	29.100	-.115	28.985	29.91	51.9	49.8	48	87	.334	56.6	44.8	SW	11			0	2	St	SW	Clear		P. Mad	31
Sums	(a)	(a)		904.800	933.78	1434.2	1351.3	1257	2524	8.725	(a)	(a)	(a)	241	(a)	(a)	1.76	112	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)		29.187	30.122	46.3	43.6	40.5	81.4	.265	(a)	(a)	(c) SW	7.8	(a)	(a)	(a)	3.6	(c) St.	(c) SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October, 1916

Number of Station barometer, 656; sum of corrections, +.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Observed reading.	Total correction.	Station. (Observed reading plus total cor.) (b)	Reduced to sea-level. (b)	Thermometers. Dry. (b)	Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Min. (b)	Wind. Dir.	Velocity. (b) †	Max. during preceding 12 hours.	Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Kind.	Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Dense. (f)	Initials of observer.	Date.	12:00 Noon 90° meridian time. Dry Thermometer	Relative humidity
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
1	71.0	29.468	.122	29.346	30.29	59.1	49.0	39	48	.237	66.4	38.4	E	6			0	0	0	0	Clear			P.Mad	1	62	37
2	72.0	29.346	.125	29.271	30.21	66.4	54.2	44	45	.287	75.2	43.2	SE	6			0	1	Ci	W	Clear			H.T.C.	2	71	31
3	72.0	29.345	.124	29.221	30.14	69.4	54.4	41	36	.256	77.5	46.0	SE	6			0	0	0	0	Clear			H.T.C.	3	75	25
4	73.5	29.390	.129	29.261	30.19	72.5	55.0	40	30	.247	82.1	46.3	SE	6			0	0	0	0	Clear			H.T.C.	4	78	22
5	77.5	29.400	.139	29.261	30.19	73.5	59.5	50	44	.360	83.8	52.4	S	5			0	0	0	0	Clear			H.T.C.	5	78	38
6	75.0	29.424	.133	29.291	30.22	65.4	55.4	47	53	.322	75.0	56.3	N	6			0	0	0	0	Clear			H.T.C.	6	70	60
7	72.0	29.328	.124	29.204	30.12	75.6	65.1	60	57	.517	85.0	52.4	S	6			0	0	0	0	Clear			H.T.C.	7	81	48
8	78.0	29.216	.139	29.077	29.99	78.0	65.4	59	51	.499	86.0	61.3	SW	7			0	4	Stcu	W	Pt. Cloudy			P.Mad.	8	84	41
9	78.5	29.522	.142	29.380	30.32	50.2	44.7	39	65	.237	56.4	49.1	N	6			.14	8	StCu	N	Cloudy			H.T.C.	9	51	87
10	73.0	29.519	.127	29.392	30.34	48.0	43.0	37	67	.219	55.3	37.2	NW	4			0	0	0	0	Clear			H.T.C.	10	53	42
11	71.0	29.408	.122	29.286	30.23	53.5	45.0	36	50	.211	61.7	37.0	W	2			0	0	0	0	Clear	BDNA E6.39A		H.T.C.	11	58	28
12	70.0	29.178	.118	29.060	29.99	61.0	51.2	42	51	.266	66.3	49.0	S	8			.02	10	St	S	Cloudy			H.T.C.	12	64	31
13	70.0	29.440	[illegible]	[illegible] 21	30.26	47.8	[illegible]	[illegible]	70	.237	60.1	47.8	NW	6	30	W	.02	0	0	0	Clear			H.T.C.	13	54	100
14	70.0	29.317	.119	29.198	30.13	54.6	45.1	35	47	.203	61.2	37.8	SE	8			0	0	0	0	Clear	B5.45A		H.T.C.	14	58	42
15	66.0	29.090	.107	28.983	29.91	53.0	51.5	50	91	.360	61.0	48.1	SW	11			.01	10	Nb	SW	Lt. Rain			Vapor pressure .277	15	60	53
16	70.0	28.870	.117	28.753	29.66	63.7	59.0	56	76	.448	65.0	53.0	SW	16	27	SW	0	0	0	0	Clear			.373	16	63	65
17	72.0	29.456	.125	29.331	30.27	44.9	38.4	30	55	.164	50.0	41.0	NE	5			0	0	0	0	Clear			.143	17	46	46
18	71.0	29.168	.121	29.047	29.99	54.0	54.0	54	100	.417	56.6	36.0	E	10			T	10	Nb	E	Lt. Rain			.151	18	54	38
19	72.0	28.828	.122	28.706	29.63	55.7	55.7	56	100	.448	56.3	49.0	SW	12			.11	10	Nb	SW	Misting			.417	19	54	100
20	66.0	28.698	.106	28.592	29.51	34.0	32.0	29	81	.157	58.6	31.9	SW	38	46	SW	.05	10	Nb	SW	Lt Snow			.150	20	35	73
21	66.0	29.240	.108	29.132	30.07	38.8	33.3	25	56	.130	40.0	37.0	SW	10			0	10	St	SW	Cloudy			.203	21	40	84
22	68.5	29.426	.115	29.311	30.26	47.3	41.3	34	60	.195	54.4	33.2	SE	9			0	0	0	0	Clear			.180	22	48	54
23	69.0	29.457	.117	29.340	30.28	56.5	48.0	40	53	.247	64.8	38.0	SE	7			0	0	0	0	Clear			.195	23	61	36
24	72.0	29.348	.124	29.224	30.15	50.4	48.9	47	90	.322	54.0	45.4	E	10			.02	10	St	E	Cloudy			.295	24	49	87
25	71.0	29.142	.121	29.021	29.95	45.0	40.5	35	68	.203	55.4	45.0	SW	16	40	SW	.03	10	St	SW	Cloudy			.298	25	48	90
26	71.0	29.287	.121	29.166	30.11	46.8	39.3	30	50	.164	51.4	33.3	SE	6			0	0	0	0	Clear			.164	26	47	50
27	71.0	29.384	.122	29.262	30.20	51.0	43.8	36	56	.211	59.6	45.6	NW	5	25	W	0	0	0	0	Clear			.219	27	60	42
28	71.5	29.334	.122	29.212	30.14	57.2	45.7	32	39	.180	67.8	38.0	SE	5			0	0	0	0	Clear			.247	28	64	41
29	72.0	29.232	.124	29.108	30.04	63.7	52.2	42	45	.266	70.4	48.9	SW	9			0	10	St	SW	Cloudy			.247	29	70	33
30	71.0	29.268	.121	29.147	30.08	56.6	51.9	48	73	.334	62.7	48.0	NE	5			0	0	0	0	Clear	B7.10A E8.00A	BDNA E7.10	.334	30	59	68
31	71.0	29.182	.121	29.061	29.99	47.8	43.8	40	73	.247	56.1	47.8	SW	9			0	3	St.	SW	Clear			.247	31	56	53
Sums	(a)	(a)	(a)	903.965	932.86	1741.4	1509.6	1292	1880	8591	(a)	(a)	(a)	265	(a)	(a)	0.40	106	(a)	(a)	(a)	3	1	4.443	(a)	1851	1647
Means	(a)	(a)	(a)	29.160	30.092	56.2	48.7	41.7	60.6	.277	(a)	(a)	(c) SW	8.5	(a)	(a)	(a)	3.4	(c) St	(c) SW	(a)	(a)	(a)	.244	(a)	59.7	53.1

Initials of Observer: P.Mad, H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., P.Mad, H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C., H.T.C.

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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*For 17 days.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October, 1916

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Sunday 1	66	36	30	6	51																0				0	0	0	0	1
2	75	40	35	7	58																0				0	0	0	0	2
3	78	44	34	3	61																0				0	0	0	0	3
4	82	46	36	3	64																0				0	0	0	0	4
5	84	50	34	3	67																0				0	0	0	0	5
6	75	56	19	1	66																0				0	0	0	0	6
7	85	51	34	2	68																0				0	0	0	0	7
8	86	61	25	6	74																.12				0	0	0	0	8
9	67	42	25	20	54																.16				0	0	0	0	9
10	55	35	20	9	45																0				0	0	0	0	10
11	62	34	28	3	48																0				0	0	0	0	11
12	66	43	23	6	54																.23				0	0	0	0	12
13	61	42	19	2	52																.08				0	0	0	0	13
14	61	37	24	3	49																0				0	0	0	0	14
15	61	47	14	5	54																.01				0	0	0	0	15
16	65	47	18	2	56																T				0	0	0	0	16
17	50	37	13	12	44																0				0	0	0	0	17
18	57	33	24	1	45																.33				0	0	0	0	18
19	56	47	9	7	52																.35				0	0	0	0	19
20	59	32	27	6	46																.32				0	0.2	T	.02	20
21	40	35	5	8	38																0				0	T	0	0	21
22	54	31	23	4	42																0				0	0	0	0	22
23	65	37	28	9	51																0				0	0	0	0	23
24	54	45	9	1	50																.03				0	0	0	0	24
25	55	42	13	2	48																.03				0	0	0	0	25
26	51	33	18	6	42																0				0	0	0	0	26
27	60	40	20	8	50																0				0	0	0	0	27
28	68	38	30	3	53																0				0	0	0	0	28
29	70	48	22	6	59																0				0	0	0	0	29
30	62	45	17	5	54																0				0	0	0	0	30
31	56	44	12	4	50																0				0	0	0	0	31
S	1986	1298	688	163	1645		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.66		Total excess or deficiency since January 1,		0	0.2	(a)	(a)	(a)
M	64.1	41.9	22.2	5.3	53.1	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF October, 1916

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean ---do---.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.187	29.160	29.174	29.550	10	28.440	20	1.110	30.122	30.092	30.107	30.50	10	29.35	20	1.15

Corrected mean 29.168 — Corrected mean 30.101 — 3,500-ft —— 10,000-ft —

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
46.3	57.2	51.2	43.6	48.7	46.2	64.1	41.9	53.0	—	—	—	86	8	31	22	55	36	4	5	21

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
40.5	41.7	41.1	81.4	60.6	71.0	.265	.277	.271	0	0	2	0

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6773	9.1	SW	46	SW	20	3	5	10	10	9	18	1	6	0

WEATHER.

Mean cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
3.6	3.4	4.4	58	15	4	12	0	1	9

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
1,10,14	11,18	22	8	20,25	18	0	11,14,30	30	6,30	None	None	None	None	None

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.66	0.65	18-19	None			None			1	10	7	3	0	11	1	1	0.2	0.0

(w) Maximum precipitation in 5 minutes .07, date 8; 10 minutes .08, date 8; 15 minutes .09, date 8; 30 minutes .12, date 8; 1 hour .15, date 18; 2 hours .22, date 19 20.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
		None																		

* The duration is the time precipitation was actually recorded.

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Prepared by P. McAnough L. F., Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
9	1 PM	12:00 noon	77.0	29.409	-.138	29.271	30.21	51.0	49.0	47	4	87	56.4	N	10			.14	10	St	N	Cloudy	Called for by Cto.	W.H.P.	9
24	1 PM	12:00 noon	72.0	29.475	-.125	29.350	30.30	49.2	47.2	45	4	87	49.2	NE	6			.02	10	Nb.	NE	Sprinkling	Called for by C.B.	H.J.C.	24
10	9:20 am	8:20 am				29.550	30.50	40.0																	10
20	8:00 am	7:00 am	70.5	28.557	-.117	28.440	29.35	58.6																	20

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of November, 1916

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20 1911, 7:00 AM, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor Berry & Calhoun street, room 8 911-912; first observation taken in present office, 7:00 A. m. May 20, 1911.

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.5	29.326	.115	29.211	30.15	35.0	32.9	30	81	.164	47.8	34.3	SW	9			0	0	0	0	Clear		H.T.C.	1
2	71.0	29.374	.122	29.257	30.19	39.2	35.7	31	72	.172	53.0	37.3	SW	6			0	0	0	0	Clear		H.T.C.	2
3	70.0	29.518	.119	29.399	30.35	38.8	34.8	29	68	.157	50.0	36.2	SW	2			0	2	Ci	SW	Clear		H.T.C.	3
4	70.0	29.126	.118	29.008	29.94	50.0	44.2	38	63	.228	51.5	44.2	SW	12			.08	1	St Cu	SW	Clear		H.T.C.	4
5	71.0	29.453	.122	29.331	30.27	33.4	32.9	32	95	.180	57.8	32.3	NE	2			0	0	Light fog	NE	Clear		H.T.C.	5
6	67.0	29.431	.111	29.320	30.27	37.8	36.6	35	89	.203	46.8	37.3	E	6			0	0	0	0	Clear		H.T.C.	6
7	67.5	29.364	.112	29.252	30.18	54.0	48.8	44	69	.287	62.0	54.0	S	9			0	0	haze	-	Clear		H.T.C.	7
8	68.0	29.289	.113	29.176	30.10	56.6	51.1	47	69	.322	64.0	54.3	S	12			0	0	0	0	Clear		H.T.C.	8
9	70.0	28.973	.118	28.855	29.77	48.0	47.5	47	96	.322	65.3	48.0	W	16	34	[illegible]	.56	10	Nb	W	Lt rain		P.M.D.	9
10	71.0	29.141	.121	29.020	29.96	41.0	36.2	29	63	.157	43.0	38.2	SW	12			0	4	St Cu	SW	Pt Cloudy		H.T.C.	10
11	72.0	29.605	.125	29.480	30.43	32.0	30.1	27	80	.143	47.2	31.3	NE	8			0	4	St	SW	Pt Cloudy		H.T.C.	11
12	70.5	29.488	.121	29.367	30.33	32.8	31.8	31	90	.172	38.0	32.2	NE	6			0	10	St	NE	Cloudy		H.T.C.	12
13	66.0	29.241	.108	29.133	30.07	42.5	41.0	40	88	.247	43.3	40.0	SW	9			0	10	St	SW	Cloudy		H.T.C.	13
14	62.0	29.288	.098	29.190	30.14	23.4	20.9	15	67	.081	37.0	23.1	W	14			.04	10	Nb	W	Lt snow		H.T.C.	14
15	62.0	29.390	.098	29.292	30.26	14.4	13.2	9	78	.060	21.3	13.4	SW	6			0	0	0	0	Clear		H.T.C.	15
16	64.0	29.404	.103	29.301	30.26	21.4	19.4	14	71	.077	23.6	17.7	S	9			0	9	St.	SW	Cloudy		H.T.C.	16
17	67.0	29.144	.110	29.034	29.98	33.7	31.2	28	77	.150	34.7	32.8	W	4			0	10	St Cu	NW	[illegible]		[illegible]	17
18	65.0	29.256	.105	29.151	30.10	27.1	25.9	24	86	.124	32.0	26.8	SW	7			0	3	St Cu	W	[illegible]		[illegible]	18
19	[illegible]	[illegible]	.101	28.958	29.91	32.0	29.0	[illegible]	61	.124	[illegible]	30.4	SW	13			0	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	19
20	64.0	29.208	.102	29.106	30.05	34.3	32.6	30	84	.164	49.9	34.3	SW	2			0	4 8	Ci St Fog	SW SW	Pt Cloudy		[illegible]	20
21	68.0	29.567	.114	29.453	30.41	29.0	27.0	24	78	.124	37.2	27.4	NE	9			0	10	St	NE	Cloudy		[illegible]	21
22	66.5	29.393	.110	29.283	30.23	30.9	28.7	25	77	.130	36.4	28.9	E	5			0	10	St Cu	W	Cloudy		[illegible]	22
23	67.5	28.540	.109	28.431	29.34	49.0	48.0	47	93	.322	50.1	44.7	SE	12			.63	10	Nb	SE	St Rain		[illegible]	23
24	64.0	29.023	.102	28.921	29.87	30.0	28.3	26	82	.136	42.0	29.4	W	24	34	SW	T	4	St Cu	NW	Pt Cloudy		[illegible]	24
25	63.0	29.511	.101	29.410	30.38	18.0	16.0	10	68	.063	24.0	17.0	SW	10	26	W	.03	3	St Cu	W	Clear		[illegible]	25
26	65.5	29.468	.107	29.361	30.32	32.0	28.0	21	[illegible]	[illegible]	32.0	26.7	S	10			T	1 5	Ci St St Cu	W W	Pt Cloudy		[illegible]	26
27	61.5	29.354	.096	29.258	30.21	40.0	32.7	21	44	.108	42.8	37.4	S	16	31	S	0	1 2	Ci St St Cu	W	Clear		[illegible]	27
28	66.0	29.246	.108	29.138	30.07	46.5	46.0	46	96	.310	52.0	46.0	SW	7			.04	10	Nb	SW	St Rain		[illegible]	28
29	69.0	29.111	.115	28.996	29.93	52.0	51.7	51	98	.373	52.9	51.3	SW	10			.15	10	Nb	SW	Sprinkling		[illegible]	29
30	67.0	29.326	.111	29.215	30.16	31.5	29.0	25	74	.130	46.3	30.8	SW	11			0	8	St Cu	W	Cloudy		[illegible]	30
31																								31
Sums	(a)	(a)	(a)	875.307	908.63	1086.3	1011.2	900	2325	6.338	(a)	(a)	(a)	278	(a)	(a)	1.53	157	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.177	30.121	36.2	33.7	30.0	77.5	.178	(a)	(a)	(c) SW	9.3	(a)	(a)	(a)	6.0	(c) St. Cu.	(c) SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1916

Number of Station barometer, 656; sum of corrections, .009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7.19 P. M. LOCAL MEAN TIME.

Initials of Observer	Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. Dense. (f)	Vapor Pressure ~~Initials of observer~~ 12 noon 90th M.T.	Date.	12 noon 90th M.T. Dry Thermometer	12 noon 90th M.T. Wet Thermometer
			In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
P. Mod	1	71.0	29.330	-.121	29.209	30.14	53.0	43.2	31	43	.172	61.2	35.0	SW	10			0	0	0	0	Clear			.195	1	59	39
P. Mod	2	72.0	29.460	-.125	29.335	30.28	50.0	43.0	35	56	.203	60.2	39.0	W	8			0	0	0	0	Clear			.195	2	59	39
P. Mod	3	70.5	29.304	-.120	29.184	30.11	51.5	44.0	36	54	.211	59.9	38.8	S	18			.01	10	Nb	S	Lt. rain			.136	3	56	31
P. Mod	4	73.5	29.292	-.128	29.164	30.09	51.8	47.3	43	72	.277	63.7	50.0	W	9			0	0	0	0	Clear	B 6.30 A D.D.N.A		.310	4	62	55
J.H.T.C.	5	69.0	29.450	-.117	29.333	30.28	46.8	44.0	41	81	.256	54.3	32.4	E	6			0	0	0	0	Clear	E 9.00 A	E 6.30 A	.266	5	50	44
P. Mod	6	68.0	29.313	-.113	29.200	30.13	62.0	55.4	51	66	.373	72.8	37.8	SE	12			0	0	0	0	Clear			.247	6	65	57
P. Mod	7	70.5	29.350	-.120	29.230	30.15	64.0	54.2	46	53	.310	73.0	53.6	SE	10			0	0	0	0	Clear			.310	7	71	41
P. Mod	8	71.0	29.134	-.121	29.013	29.93	63.3	53.2	45	51	.298	70.2	56.6	S	16	35	SW	0	1	St	S	Clear			.373	8	68	55
P. Mod	9	71.0	29.148	-.121	29.027	29.97	43.0	39.1	34	71	.195	48.0	43.0	SW	9			.20	0	0	0	Clear			.256	9	43	92
P. Mod	10	73.0	29.310	-.126	29.184	30.11	47.2	45.1	43	86	.277	58.2	41.0	NW	14	36	S.W.	.01	9	St	NW	Cloudy			.195	10	55	44
B. Mod	11	72.5	29.530	-.126	29.404	30.36	38.0	35.0	31	75	.172	47.0	31.7	E	13			0	0	0	0	Clear			.187	11	42	70
J.H.T.C.	12	68.0	29.335	-.113	29.222	30.16	40.2	39.2	38	92	.228	42.3	32.8	E	7			0	0	0	0	Clear			.164	12	38	88
P. Mod	13	67.0	29.190	-.110	29.080	30.02	37.0	36.1	35	92	.203	42.5	37.0	SW	11			.06	10	Nb	SW	Lt snow			.247	13	40	100
B. Mod	14	63.5	29.417	-.107	29.310	30.28	21.3	19.3	14	71	.077	23.4	21.3	W	11			T	3	St.Cu	W	Clear			.085	14	23	73
P. Mod	15	70.0	29.490	-.119	29.371	30.34	23.6	21.1	15	67	.081	24.7	14.4	W	10			0	9	St.Cu.	W	Cloudy			.093	15	24	80
[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.157	34.8	21.4	S	12	25	S	0	10	St	S	Cloudy			[illegible]	16	[illegible]	[illegible]
[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	17	[illegible]	[illegible]
[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	Clear			.103	18	[illegible]	[illegible]
[illegible]	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	W	14	27	SW	0	0	0	0	Clear			.185	19	[illegible]	[illegible]
[illegible]	20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	Clear	H.A. E 7.00 A.M.	E 8.45 A.M.	.203	20	[illegible]	[illegible]
[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	5	St	E	Pt. Cloudy			.136	21	45	[illegible]
[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.01	10	Nb	E	Lt Rain			.195	22	[illegible]	[illegible]
[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	23	[illegible]	[illegible]
[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.01	10	St	W	Cloudy			.113	24	[illegible]	[illegible]
[illegible]	25	68.0	[illegible]	.114	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	W	8			0	10	St	SW	[illegible]			.077	25	[illegible]	[illegible]
[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	46.0	32.0	[illegible]	[illegible]	31	[illegible]	[illegible]	8	St	S	[illegible]			.058	26	[illegible]	[illegible]
P. Mod	27	69.0	29.252	-.116	29.136	30.08	50.1	40.6	28	42	.150	55.4	40.3	S	16	34	S	[illegible]	10	St	S	Cloudy			.156	27	52	36
P. Mod	28	72.5	29.208	-.125	29.083	30.01	52.2	51.1	50	93	.360	54.6	46.5	S	9			.02	10	St	S	Cloudy			.147	28	51	97
P. Mod	29	71.5	29.216	-.122	29.094	30.02	46.3	43.1	40	78	.247	55.0	46.3	SW	10			.02	0	0	0	Clear			.347	29	53	88
P. Mod	30	48.0	29.306	-.113	29.193	30.13	36.0	32.0	26	65	.136	42.0	30.1	SW	10			0	0	0	0	Clear			.130	30	40	53
	31																									31		
Sums		(a)	(a)		875.178	903.40	1284.7	1159.6	1006	2127	6.051	(a)	(a)	(a)	348	(a)	(a)	0.45	133	(a)	(a)	(a)	2	2	5.969 (a)	(a)	1393	1902
Means		(a)	(a)		29.171	30.113	42.8	38.7	33.5	70.9	.202	(a)	(a)	(c) SW	11.6	(a)	(a)	(a)	4.4	(c) St.	(c) S	(a)	(a)	(a)	.199 (a)	(a)	46.4	63.4

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 191[illegible]

Date.	Temperature: Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation: Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. ___ p.m. to ___ p.m. *‡‡	Snow unmelted. ___ p.m. to ___ p.m. *‡‡	Hail, sleet, and snow on ground at ___ p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	[illegible]	[illegible]	7	2	48																0				0	0	0	0	1
2	[illegible]	[illegible]	3	0	48																0				0	0	0	0	2
3	[illegible]	[illegible]	[illegible]	5	48				R	6 25 P	11 N.P.										.09				0	0	0	0	3
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																0				0	0	0	0	4
5	[illegible]	[illegible]	3	11	43																0				0	0	0	0	5
6	[illegible]	[illegible]	36	12	55																0				0	0	0	0	6
7	73	54	19	9	64																0				0	0	0	0	7
8	70	54	16	2	62																0				0	0	0	0	8
9	65	38	27	10	52				R	4 N.A.	11 50 a										.76				0	0	0	0	9
10	58	37	21	4	48				R	5 40 P	6 15 P.										.01				0	0	0	0	10
11	47	31	16	9	39																0				0	0	0	0	11
12	42	32	10	2	37																0				0	0	0	0	12
13	42	31	12	0	37				R	7 20 A.	6 30 P.	S^m	6 30 P	--							.10				0	T	T	.03	13
14	31	17	14	13	24				S^m	--	8 00 A.	S^d	11 45 A	4 00 PM							T				0	0.4	T	T	14
15	25	13	12	3	19																0				0	0	0	0	15
16	35	18	17	7	26																0				0	0	0	0	16
17	36	30	6	7	33				S^m	11 30 A	11 40 A.	S^m	2 40 P.	4 45 P.							T				0	T	T	T	17
18	43	26	17	1	34																0				0	0	0	0	18
19	60	30	30	11	45																0				0	0	0	0	19
20	44	28	16	9	36																0				0	0	0	0	20
21	45	27	18	0	36																0				0	0	0	0	21
22	52	29	23	4	40				R	3 15 PM	4 45 PM	R	6 30 PM	7 35 PM	R	DNP	—				.20				0	0	0	0	22
23	54	36	18	5	45				R	—	DNA	R	6 35 AM	9 10 AM	R	10:05A	2:40P				.55				0	0	0	0	23
24	36	21	15	17	28				R	—	DNA	S^d	7 05 AM	4 15 PM	S^d	8 40 PM	11 55 PM				.04				0	0.1	0.1	.04	24
25	30	17	13	4	24				S^d	7 20 PM	8 20 PM										T				0	0.3	0.1	T	25
26	46	28	18	13	37																0				0	T	T	0	26
27	55	38	17	9	46				R	8 20 PM	8 50 PM										T				0	0	0	0	27
28	55	46	9	4	50				R	DNA	11 20 AM	R	6 55 PM	8 40 PM							.06				0	0	0	0	28
29	55	39	16	3	47				R	DNA	10 10 A.										.17				0	0	0	0	29
30	42	30	12	11	36																0				0	0	0	0	30
31																													31
S	1514	970	544	190	1241		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.98		Total excess or deficiency since January 1,		0	0.8	(a)	(a)	(a)
M	50.5	32.3	18.1	6.3	41.4	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

X J. H. Collinay, 1–14, inclusive

Ø [illegible]

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SUMMARY FOR THE MONTH OF November, 1916.

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.007.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.177	29.171	29.174	29.510	11	28.300	23	1.210	30.121	30.113	30.117	30.47	11	29.21	23	1.26
Corrected mean		29.167						Corrected mean		30.110	3,500-ft	—		10,000-ft	—

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
36.2	42.8	39.5	33.7	38.7	36.2	50.5	32.3	41.4	—	—	—	73	7	13	15	60	36	6	6	17

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative Humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor Pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
30.0	33.5	31.8	77.5	70.9	74.2	.178	.207	.190	3	none	15	none

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8820	12.2	SW	40	SW	23	0	5	7	3	11	23	10	1	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.0	4.4	5.3	46	10	10	10	0	3	6

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	3	23	3	none	5,20	5,20	6,7	none	none	none	none	none

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.98	0.76	9		None			None		4	9	8	2	0	13	5	2	0.8	0

* (w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

*Tipping bucket rain gage removed indoors at 1:00 pm Nov. 17.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
		None																		

* The duration is the time precipitation was actually recorded.

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Prepared by _____ P. McDonough, L.F., Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1916

Number of Station barometer, 656; sum of corrections, .007 inch.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
13	1:00 P	12:00 M	67.0	29.216	.110	29.106	30.05	40.2	40.2	40	0	100	42.5	SW	12			.04	10	Nb	SW	Strm	Called for by CB	HHC	13
23	1 Noon	11:00	71.0	28.450	.118	28.332	29.24	54.0	52.0	50	4	88	54.0	SW	16			.01	10	Nb	SW	Mt Rain	By CB	[illegible]	23
11	10:00 AM	9:00 AM				29.510	30.47	34.0																	11
23	1:00 AM	12 Noon				28.300	29.21	51.0																	23

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

* H. T. Collman, 13,

Form No. 1001—Met'l. (1916 edition.)

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of December, 1916

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, 5978; No. of wet thermometer in use, 5905; No. of maximum thermometer in use, 15,188; No. of minimum thermometer in use, 12,402

†Elevation above ground of the dry thermometer, 113 feet; rain gage, 107 feet; anemometer, 124 feet.

If the office has been moved during the month, give date No.; amount of change in height of barometer, 0 feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced May 20th 1911 7:00 AM, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Cor. Berry & Calhoun street, rooms 911-912; first observation taken in present office, 7:00 a.m. May 20, 1911

*Cancel words that are not appropriate.

† To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of November, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90" MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:17 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. thr's. Max. (b)	Self-reg. thr's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.0	29.109	.112	28.997	29.95	38.0	34.3	29	69	.157	38.0	32.0	S	20			0	2	Ci Cu	NW	W Cloudy		P. McD.	1
																		2	Ac Cu	SW				
2	67.0	29.284	.111	29.173	30.11	30.4	27.9	23	73	.118	41.0	28.8	SW	4			0	2	Ci St	NW	Clear		P. McD.	2
3	69.0	29.126	.116	29.010	29.95	39.0	37.8	37	90	.219	43.2	37.6	SE	8			.01	10	St	SE	Cloudy		P. McD.	3
4	70.0	29.000	.118	28.882	29.80	56.6	54.1	53	85	.402	56.6	48.0	S	14			T	10	St	S	Cloudy		P. McD.	4
5	67.5	28.928	.111	28.817	29.74	45.0	44.3	44	95	.287	53.6	45.0	W	20	26	W	T	9	St Cu	W	Cloudy		P. McD.	5
6	65.5	29.324	.107	29.217	30.16	30.2	28.9	27	86	.143	42.5	30.2	SW	11			0	1	St	SW	Clear		P. McD.	6
7	66.5	29.214	.109	29.105	30.04	41.2	36.1	29	61	.157	45.9	40.0	SE	7			.06	10	St	SE	Cloudy		P. McD.	7
8	70.0	28.930	.118	28.812	29.72	54.6	53.1	52	91	.387	56.4	52.3	SE	14			T	10	Nb	S	St. Rain		P. McD.	8
9	63.5	29.100	.101	28.999	29.95	24.6	23.1	20	81	.103	42.7	23.0	SW	20	26	SW	.22	9	St Cu	SW	Cloudy		P. McD.	9
10	65.0	29.476	.106	29.370	30.34	19.2	17.8	14	78	.077	25.0	18.9	SW	8			0	0	0	0	Clear		P. McD.	10
11	65.0	28.990	.104	28.886	29.85	24.0	23.0	21	87	.108	29.4	24.0	E	7			0	1	St	E	Clear		P. McD.	11
12	63.5	28.835	.100	28.735	29.68	24.7	24.2	24	94	.124	32.0	23.9	NW	10			.10	10	Nb	NW	St Snow		P. McD.	12
13	67.5	28.940	.111	28.829	29.78	18.0	17.4	16	90	.085	20.4	18.0	W	8			.04	10	Nb	W	St. Snow		P. McD.	13
14	66.5	29.360	.109	29.251	30.22	4.4	4.0	2	89	.043	16.4	3.8	SW	11			0	2	St	SW	Clear		P. McD.	14
15	66.0	29.056	.107	28.949	29.94	-3.0	-3.2	-4	93	.031	7.0	-3.0	S	12			0	0	0	0	Clear		P. McD.	15
16	62.0	29.072	.097	28.975	29.96	0.0	-0.6	-4	80	.031	5.8	-2.2	S	8	29	SW	0	8	St	S	Cloudy		P. McD.	16
17	62.0	29.064	.097	28.967	29.93	17.0	16.2	14	87	.077	27.0	17.0	SW	15	29	W	T	10	Nb	NW	St Snow		P. McD.	17
18	69.5	29.182	.117	29.065	30.03	8.2	7.4	4	81	.047	16.0	7.4	W	7			0	2	Ci St	NW	Clear		P. McD.	18
19	65.5	29.024	.106	28.918	29.89	9.6	9.2	8	91	.057	9.6	1.8	SE	8			T	10	Nb	SE	St. Snow		P. McD.	19
20	67.0	28.942	.110	28.832	29.78	20.2	19.7	18	92	.083	27.0	20.2	N	8			.02	10	Nb	N	St Snow		P. McD.	20
21	70.5	29.184	.120	29.064	30.03	13.4	13.0	11	92	.066	19.0	13.2	NW	6			.02	10	Nb	NW	St Snow		P. McD.	21
22	68.0	29.202	.113	29.089	30.05	18.0	16.4	12	75	.070	21.2	14.9	NW	12			.02	10	St	NW	Cloudy		P. McD.	22
23	68.0	29.234	.113	29.121	30.09	12.1	10.9	7	76	.054	13.4	7.4	S	8			0	1	St Cu	SW	Clear		P. McD.	23
24	67.5	29.117	.111	29.006	29.97	17.2	16.2	13	84	.074	22.6	10.1	E	10			0	10	St	E	Cloudy		P. McD.	24
25	65.0	29.440	.106	29.334	30.29	19.0	18.2	16	88	.085	35.0	19.0	SW	5	33	SW	0	2	St	SW	Clear		P. McD.	25
26	65.0	29.360	.105	29.255	30.22	24.7	23.2	20	81	.103	25.4	21.3	E	18			0	9	St	E	Cloudy		P. McD.	26
27	66.0	29.112	.107	29.005	29.94	43.2	43.2	43	100	.277	45.0	34.0	SW	13			.96	Dense	Fog	SW	Foggy		P. McD.	27
28	69.0	29.422	.117	29.305	30.26	17.8	16.4	13	78	.074	31.9	17.8	SW	9			0	2	St	SW	Clear		P. McD.	28
29	67.0	29.664	.112	29.552	30.52	15.0	13.3	8	70	.057	25.6	12.8	W	8			0	10	St	W	Cloudy		P. McD.	29
30	70.0	29.684	.120	29.564	30.54	14.0	13.0	10	82	.063	15.4	12.1	SW	8			0	10	St	SW	Cloudy		P. McD.	30
31	70.5	29.690	.122	29.568	30.65	14.0	12.8	9	78	.060	20.5	12.9	S	4			0	1	0	0	Clear		P. McD.	31
Sums		(a)	(a)	901.652	931.28	710.3	671.3	589	2597	3.729	(a)	(a)	(a)	321	(a)	(a)	1.45	192	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.086	30.041	22.9	21.7	19.0	83.8	.120	(a)	(a)	(c) SW	10.4	(a)	(a)	(a)	6.2	(c) St.	(c) SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 122, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of December, 1916

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 2:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:49 P. M. LOCAL MEAN TIME.

Initials of Observer	Date	Barometer: Attached thermometer	Barometer: Observed reading	Barometer: Total correction	Barometer: Station (Observed reading plus total cor.) (b)	Barometer: Reduced to sea-level (b)	Thermometers: Dry (b)	Thermometers: Wet (b)	Dew-point (b)	Relative humidity (b)	Vapor pressure (b)	Self-reg. ther's: Max (b)	Self-reg. ther's: Min (b)	Wind: Dir	Wind: Velocity (b) †	Wind: Max. during preceding 12 hours	Wind: Dir	Precipitation: Amt. at 8 p.m. (b) ††	Clouds: Amt	Clouds: Kind	Clouds: Dir. from	State of Weather	Fog, Mid. to Mid. (local standard time): Light (f)	Fog, Mid. to Mid.: Dense (f)	~~Initials of observer~~ Vapor Pressure 12 Noon 90 Merid.	Date	12 Noon 90° Meridian Time: Dry Thermometer	12 Noon 90° Meridian Time: Relative Humidity
			In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.										
C.A.S.	1	71.0	29.171	.121	29.050	29.99	41.0	34.5	25	50	.130	48.9	36.7	W	10	30	SW	0	0	0	0	Clear			.150	1	47	47
C.A.S.	2	72.5	29.283	.125	29.158	30.16	43.2	35.2	23	43	.118	49.8	28.0	SE	8			0	4	6-St	SE	Pt Cloudy			.164	2	48	48
P.McD.	3	72.5	29.030	.124	28.906	29.84	49.4	46.3	43	80	.277	52.2	39.0	S	7			0	0	0	0	Clear			.237	3	45	79
C.A.S.	4	67.5	28.807	.115	28.692	29.60	52.0	49.5	47	84	.322	61.0	49.4	W	6	30	SW	.32	7	St 6u	W	Pt Cloudy			.448	4	61	84
C.A.S.	5	68.5	29.169	.114	29.055	30.00	42.5	35.5	26	48	.136	48.6	42.5	SW	18	31	W	0	0	0	0	Clear			.237	5	47	73
C.A.S.	6	70.5	29.350	.120	29.230	30.17	45.9	37.9	27	46	.143	53.8	29.1	S	7			0	1	St 6u	W	Clear			.118	6	50	33
C.A.S.	7	69.0	29.067	.115	28.952	29.88	52.3	50.1	48	87	.334	55.2	41.2	S	7			0	Few	St 6u	W	Clear			.266	7	52	69
C.A.S.	8	72.0	28.819	.122	28.697	29.62	42.7	42.0	41	94	.256	57.0	42.0	W	4			.18	10	St	W	Cloudy			.447	8	56	94
C.A.S.	9	67.0	29.326	.111	29.215	30.18	25.0	23.0	19	75	.098	27.3	22.0	SW	15	33	SW	.01	0	0	0	Clear			.093	9	24	74
P.McD.	10	69.0	29.409	.117	29.292	30.25	29.4	28.9	28	94	.150	35.4	18.2	E	5			0	2	St	E	Clear			.108	10	32	60
C.A.S.	11	68.5	28.863	.113	28.750	29.69	32.0	29.8	27	77	.143	34.0	23.6	SW	10			.04	10	Nb	SW	St Snow			.164	11	32	90
C.A.S.	12	67.0	28.984	.110	28.874	29.83	20.4	19.0	16	79	.085	29.0	20.0	SW	10			.03	0	0	0	Clear			.113	12	28	77
C.A.S.	13	70.0	29.305	.119	29.186	30.16	16.4	14.0	6	60	.052	20.1	13.8	SW	12	32	SW	.04	0	0	0	Clear			.066	13	15	82
C.A.S.	14	70.0	29.294	.119	29.175	30.17	7.0	5.4	-3	61	.032	12.2	3.9	SW	10			0	2	St 6u	SW	Clear			.026	14	11	38
C.A.S.	15	65.5	28.958	.106	28.852	29.84	5.8	4.2	-4	60	.031	14.0	-8.0	SW	19	29	SW	.01	0	0	0	Clear			.032	15	9	55
C.A.S.	16	71.0	28.691	.119	28.572	29.52	22.5	20.0	14	66	.077	22.5	0.0	SE	6			.02	10	St	SE	Cloudy			.057	16	12	80
P.McD.	17	70.5	29.240	.120	29.120	30.09	16.0	14.2	9	70	.060	20.8	14.8	SW	8			.01	0	0	0	Clear			.063	17	18	68
C.A.S.	18	69.0	29.128	.116	29.012	29.98	7.5	6.5	2	76	.042	15.8	7.0	SW	10			0	10	St	SW	Cloudy			.063	18	14	82
C.A.S.	19	69.0	28.872	.114	28.758	29.72	24.8	24.1	23	91	.118	25.0	9.6	SE	7			.24	10	Nb	SE	St Snow			.089	19	20	85
C.A.S.	20	73.5	28.986	.127	28.859	29.82	19.0	18.6	18	94	.093	22.8	18.1	N	10			.09	10	Nb	N	St Snow			.093	20	21	86
C.A.S.	21	72.0	29.143	.124	29.019	29.99	21.2	19.0	13	68	.074	24.1	13.4	N	8			T	8	St 6u	N	Cloudy			.070	21	23	60
C.A.S.	22	73.5	29.306	.128	29.178	30.15	8.8	6.8	-3	55	.032	19.6	8.8	S	11			0	0	0	0	Clear			.066	22	19	69
C.A.S.	23	72.0	29.313	.124	29.189	30.16	22.6	20.1	14	66	.077	26.7	11.0	SW	2			0	0	0	0	Clear			.093	23	24	74
P.McD.	24	67.5	29.007	.111	28.896	29.86	35.0	32.1	28	74	.150	37.0	19.2	SW	27	29	SW	.05	10	St	SW	Cloudy			.136	24	29	89
P.McD.	25	71.0	29.517	.122	29.395	30.37	22.4	21.3	19	85	.098	26.6	18.0	NE	8			0	10	St	NE	Cloudy			.093	25	23	80
C.A.S.	26	69.5	29.145	.117	29.028	29.98	34.0	34.0	34	100	.195	34.9	23.2	E	12			.32	10	Nb	E	St Rain			.157	26	31	89
C.A.S.	27	70.5	29.288	.120	29.168	30.11	31.9	27.4	19	55	.098	43.2	31.9	SW	10			0	3	St 6u	SW	Clear		B-DNA E-DNA	.150	27	38	67
C.A.S.	28	67.0	29.568	.117	29.451	30.42	25.6	21.1	9	45	.060	29.0	17.1	W	12			0	10	St 6u	W	Cloudy			.066	28	25	50
C.A.S.	29	72.0	29.697	.126	29.571	30.55	15.4	13.0	5	58	.049	20.0	12.4	W	6			T	0	0	0	Clear			.047	29	17	51
C.A.S.	30	74.0	29.688	.131	29.557	30.54	20.5	18.0	17	64	.070	24.9	14.0	W	5			0	9	St 6u	W	Cloudy			.103	30	23	87
P.McD.	31	71.5	29.430	.121	29.309	30.27	31.8	25.3	23	65	.118	34.4	14.0	S	9			0	8	St	W	Cloudy			.118	31	31	69
	Sums		(a)	(a)	901.166	930.85	864.0	779.8	608	2176	3.718	(a)	(a)	(a)	299	(a)	(a)	1.36	144	(a)	(a)	(a)	0	1	4.103 (a)	(a)	925	2489
	Means		(a)	(a)	29.070	30.027	27.9	25.7	19.6	70.0	.120	(a)	(a)	(c) SW	9.6	(a)	(a)	(a)	4.6	(c) St 6u	(c) W	(a)	(a)	(a)	.132 (a)	(a)	29.8	70.6

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 191[illegible]

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	49	32	17	4	40																0				0	0	0	0	1
2	50	28	22	1	39																0				0	0	0	0	2
3	52	38	14	6	45				R	DNA	DNA										.01				0	0	0	0	3
4	61	49	12	10	55				R	DNA	DNA.	R	12:40 pm	1:15 pm	R	1:40 pm	2:40 pm	R	5:35 PM	6:35 PM	.32				0	0	0	0	4
5	53	38	15	9	46																0				0	0	0	0	5
6	54	29	25	4	42																0				0	0	0	0	6
7	55	40	15	6	48				R	DNA	6:00 AM	R	3:16 P	4:50 PM	R	7:05 pm	9:40 pm	R+S^m	9:50 pm	10:00 pm	.06				0	0	0	0	7
8	57	31	26	4	44				R	6:35 AM	11:25 AM	R	6:05 pm	6:35 pm	R+Sl	9:40 pm	9:50 pm	S^m	10:00 pm	—	.39				0	0	0	.02	8
9	31	22	9	18	26				S^m	—	DNA	S^d	7:10 AM	8:10 AM							.02				T	0.4	0.1	.02	9
10	35	18	17	0	26																0				0	0	T	0	10
11	34	24	10	3	29				S^m	9:15 AM	—										.10				0	0.4	0.4	.10	11
12	30	19	11	5	24				S^m	—	8:30 AM	S^m	11:10 AM	3:30 PM	S^m	7:15 PM	—				.09				0	1.3	0.8	.09	12
13	20	8	12	10	14				S^m	—	8:10 AM	S^d	8:10 AM	12:25 PM	S^d	2:13 PM	3:26 PM				.06				0	0.8	1.6	.06	13
14	12	4	8	6	8																0				0	0	1.4	0	14
15	14	-3	17	2	6				S^d	12:15 PM	4:55 PM										.01				0	0.1	1.2	.01	15
16	27	-2	29	6	12				S^d	9:20 AM	11:15 AM	S^d	10:20 PM	DNP							.02				0	0.2	1.2	.02	16
17	21	11	10	4	16				S^d	DNA	9:55 AM										.01				0	0.1	0.9	.01	17
18	16	2	14	7	9																0				0	0	0.5	0	18
19	27	2	25	5	14				S^d	5:45 am	9:15 PM										.24				0	2.8	3.1	.24	19
20	27	18	9	8	22				S^d	DNA	—										.12				0	1.8	4.9	.12	20
21	24	13	11	4	18				S^d	—	7:05 AM	S^d	8:20 PM	10:50 PM							.03				0	0.2	4.3	.03	21
22	20	7	13	4	14																0				0	0.2	3.9	0	22
23	27	7	20	3	17																0				0	0	3.8	0	23
24	37	10	27	7	24				S^m	8:30 AM	11:35 AM	S^m	12:30 PM	1:45 PM	R	5:15 PM	5:45 PM				.05				0	0.7	3.6	.05	24
25	27	18	9	2	22																0				0	0	3.4	0	25
26	45	23	22	12	34				R	7:45 AM	11:40 AM	R	12:25 PM	—							1.10				0	0	3.1	0	26
27	45	25	20	1	35				R	—	DNA										.18				0	0	2.1	0	27
28	29	17	12	12	23																0				0	0	2.0	0	28
29	20	12	8	7	16				S^d	7:20 AM	12:35 PM										T				0	T	1.8	T	29
30	25	12	13	7	18																0				0	0	0.1	0	30
31	34	13	21	6	24				S^d+S^m	9:15 PM	10:15 PM										T				T	0	T	T	31
S	1058	565	493	178	810		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.81		Total excess or deficiency since January 1,		T	4.0	(a)	(a)	(a)
M	34.1	18.2	15.9	5.7	26.1	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

Estimated.

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SUMMARY FOR THE MONTH OF December, 1916.

Data for pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.0010.)

STATION. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a. m.	8 p. m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.086	29.070	29.078	29.600	29	28.572	16	1.028	30.041	30.027	30.034	30.58	29	29.52	16	1.06
Corrected mean		29.072						Corrected mean		30.028	3,500-ft.	—	—	10,000-ft.	— —

TEMPERATURE.

Mean. Dry. 8 a. m.	8 p. m.	(8+8)÷2 (g)	Wet. 8 a. m.	8 p. m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
27.9	27.9	25.4	24.7	25.2	23.4	34.1	18.7	26.7	—	—	—	61	4	-3	15	64	29	16	8	29

Dew-point. 8 a. m.	8 p. m.	Monthly. (g)	Relative Humidity. 8 a. m.	8 p. m.	Monthly. (g)	Vapor Pressure. 8 a. m.	8 p. m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
19.0	19.6	19.3	83.8	70.0	76.9	.120	.120	.120	17	0	27	2

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8017	10.8	SW	33	SW	9	3	1	5	7	11	22	10	3	0

WEATHER.

Mean Cloudiness. 8 a. m.	8 p. m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.2	4.6	6.2	29	5	12	14	0	5	12

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	4 5 9	0	0	2	0	27	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest Amount in 24 Consecutive Hours. Amt.	Date. (k)	Excessive. 2.50 Inches in 24 Hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 Inch per Hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total Depth. (o)	Average Depth at End of Month.
2.81	1.28	26-27		None			None		2	17	11	3	1	19	14	12	90	T

* (w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

* tipping bucket raingage removed from roof account freezing weather.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
				None					None											

* The duration is the time precipitation was actually recorded.

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Prepared by C. McDonough L.F., Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 191

Number of Station barometer, 656; sum of corrections, -.007 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th Mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
✓ 8"	1:00 PM	12 NOON	72.5	28.850	-.123	28.727	29.64	56.0	53.0	54	2	94	56.0	S	15	20	S	.13	10	St Cu	SW	Cloudy	Rain & Fog	C.E.S.	8
✓ 16"	2:20 PM	1:20 PM	70.5	28.810	.118	28.692	29.65	55.4	54.0	9	6	75	55.4	SE	12			.02	10	St	SE	Cloudy	Falling Pressure	W. McD.	16"
✓ 19"	1:50 PM	12 NOON	68.0	28.897	-.112	28.785	29.74	20.0	19.0	17	3	85	20.0	S	13			.06	10	Ns	S	St Snow	Request of E.O.	C.E.S.	19"
✓ 20"	12 NOON	11:00 AM	72.0	28.940	-.123	28.817	29.77	21.2	20.7	19	2	93	21.2	N	9			.02	10	Ns	N	St Snow	Request of E.O.	P. McD.	20"
✓ 25"	1:00 PM	12 NOON	65.0	29.474	-.106	29.368	30.34	23.0	21.5	18	5	80	23.0	E	8			0	10	St	E	Cloudy	Request of E.O.	P. McD.	25"
✓ 26"	1:00 PM	12 NOON	68.0	29.235	-.113	29.122	30.07	31.0	30.0	29	2	89	31.0	E	7			.02	10	St Cu	S	Cloudy	Request of E.O.	C.E.S.	26"
16	8:00 PM	7:00 PM	71.0	28.691	-.119	28.572	29.52	22.5																	16
29	11:00 AM	10:00 AM				29.600	30.58	16.0																	29

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

Form No. 1002—Met'l.

U. S. Department of Agriculture,
WEATHER BUREAU.

ANNUAL METEOROLOGICAL SUMMARY

FOR

1916

STATION

Fort Wayne, Ind.

LOCATION OF OFFICE DECEMBER 31, 1916

Street, Cor. Berry & Calhoun

Number, —

Room, 911-912

SUM OF BAROMETER CORRECTIONS.

From 8:00 a.m. Jan. 1 *to* 8:00 p.m. Dec. 31 *inc.,* -.009 *in.*

From ..... *m.* ..... *to* ..... *m.* ..... *inc.,* ..... *in.*

From ..... *m.* ..... *to* ..... *m.* ..... *inc.,* ..... *in.*

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ANNUAL METEOROLOGICAL SUMMARY FOR 1916.—STATION Fort Wayne, Ind.

Latitude N. 41° 5′. Longitude W. 85° 10′. Local time — h. 41 min. (t) slower than 75th meridian time.

MONTH.	STATION PRESSURE. (Corrected for temperature, instrumental error, gravity, and removal.) Station Elevation of Barometer Cistern Above Mean Sea-Level, 856 Feet. Mean. 8 a. m. (c) In.	8 p. m. (c) In.	Corrected monthly. (c) In.	Highest observed. (c) In.	Date.	Lowest observed. (c) In.	Date.	Absolute range. (c) In.	TEMPERATURE. Elevation of Dry Thermometer Bulb Above Ground on Dec. 31, 1.3 Feet. Mean. 8 a. m. (d) °	8 p. m. (d) °	From Self-Registering Instruments. Mean. Max. (d) °	Min. (d) °	Monthly. (d) °	Highest. (e) °	Date.	Lowest. (e) °	Date.	Range. Absolute. (e) °	Mean daily. (d) °	Mean daily change. (d) °	No. of Days. Max. 32° or below.	Max. 90° or above.	Min. 32° or below.
Jan.,																							
Feb.,	29.198	29.198	29.193	29.750	14	28.660	26	1.090	20.7	26.4	31.6	16.6	24.1	56	22 ~~26~~	1	7	55	15.1	7.1	16	0	29
Mar.,	29.052	29.019	29.031	29.490	17	28.224	22	1.266	27.1	36.0	42.3	23.6	33.0	73	25	5	4	68	18.7	7.5	9	0	23
April,	29.007	29.028	29.037	29.320	6	28.680	20	0.640	43.3	51.1	57.4	39.2	48.3	78	19	25	7	53	[illegible]	5.3	[illegible]	[illegible]	[illegible]
May,	29.028	29.001	29.009	29.380	13	28.600	10	0.780	55.5	63.7	70.4	51.4	60.9	88	26	37	2	51	19.0	5.1	0	0	0
June,	28.996	28.956	28.972	29.410	22	28.480	7	0.930	59.9	68.1	73.3	53.0	64.2	84	23	48	11	36	18.3	2.7	0	0	0
July,	29.125	~~29.101~~ 29.077	29.098	29.340	6	28.830	2	0.510	72.7	82.7	90.1	67.4	78.8	99	27	58	9	41	22.7	2.4	0	15	0
Aug.,	29.151	29.086	29.114	29.330	1	28.880	24	0.450	67.8	78.8	85.3	64.0	74.6	97	21	57	28	45	21.3	3.5	0	10	0
Sept.,	29.158	29.119	~~29.113~~ 29.133	29.430	30	28.730	27	0.700	56.8	66.1	73.7	52.0	62.8	91	7	34	30	57	21.7	5.8	0	1	0
Oct.,	29.187	29.160	29.168	29.550	10	28.440	20	1.110	46.3	56.2	64.1	41.9	53.0	86	8	31	22	55	22.2	5.3	0	0	2
Nov.,	29.177	29.171	29.167	29.510	11	28.300	23	1.210	36.2	42.8	50.5	32.3	41.4	73	7	13	15	60	18.1	6.3	3	0	15
Dec.,	29.086	29.070	29.072	29.600	29	28.572	16	1.028	22.9	27.9	34.1	18.7	26.7	61	4	-3	15	64	15.9	5.7	17	0	27
Sum,	349.440	~~349.134~~ 349.110	~~349.194~~ 349.214	Highest.	Date.	Lowest.	Date.	10.844	537.7	632.1	712.1	433.1	577.7	Max.	Date.	Min.	Date.	658	~~229.1~~ 229.1	65.2	55	26	124
Mean,	29.170	~~29.044~~ 29.092	~~29.160~~ 29.101	29.750	Feb. 14	28.224	Mar. 22	~~0.900~~ 0.904	44.8	52.7	59.3	40.3	49.8	99	July 27	-8	Jan. 17	55	~~14.5~~ 19.1	5.4	a	a	a

a Omit data from this space. c To thousandths. d To tenths. e To whole numbers. t Enter the word "faster" or "slower," as the case may be.

MONTH.	CORRECTED MEAN MONTHLY REDUCED PRESSURES AND MEAN MONTHLY REDUCED TEMPERATURES.						DEW-POINT.			RELATIVE HUMIDITY (Percentage).			VAPOR PRESSURE.			PRECIPITATION. (Amount in inches and hundredths.) ELEVATION OF TOP OF GAGE ABOVE GROUND DEC. 31, 102 FEET.									SNOWFALL (total depth).
	SEA-LEVEL.		3,500-FOOT.		10,000-FOOT.		MEAN.			MEAN.			MEAN.			TOTAL AMOUNT.	GREATEST AMOUNT IN ANY 24 CONSECUTIVE HOURS.		EXCESSIVE. 2.50 inches in 24 hours. (g) (h)			EXCESSIVE. 1 inch per hour. (g)			
	Pressure. (c)	Temperature. (d)	Pressure. (b)	Temperature. (d)	Pressure. (b)	Temperature. (d)	8 a. m. (e)	8 p. m. (e)	Monthly. (e)	8 a. m. (e)	8 p. m. (e)	Monthly. (e)	8 a. m. (c)	8 p. m. (c)	Monthly. (c)		Amt.	Date.	Amt.	Dur't'n. (h. & m.)	Date.	Amt.	Dur't'n. (h. & m.)	Date.	
	In.	°	In.	°	In.	°	°	°	°	%	%	%	In.	In.	In.	In.	In.		In.			In.			In.
Jan.,																									
Feb.,	30.155						17	20	19	85	76	81	.099	.116	.108	0.45	0.25	6	—	—	—	—	—	—	3.9
Mar.,	29.980						22	29	25	81	73	77	.133	.175	.154	2.06	0.82	26-27	—	—	—	—	—	—	3.3
April,	29.970						37	41	39	[illegible]	70	71	.225	.272	.25[illegible]	[illegible]	1.50	25-26							2.5
May,	29.927						50	52	51	78	67	73	.375	[illegible]	[illegible]	3.70	1.15	14	—	—	—	—	—	—	0.0
June,	29.886						55	57	56	85	69	77	.440	.473	.456	5.78	1.78	6-7	—	—	—	—	—	—	0.0
July,	30.000						65	66	66	78	60	68	.624	.651	.638	3.59	2.33	13-14	—	—	—	2.18 ~~1.00~~	0.33 8	14	0.0
Aug.,	30.024						60	62	61	78	57	68	.548	.576	.562	2.10	0.80	3-4	—	—	—	—	—		0.0
Sept.,	30.054						49	49	49	77	56	66	.377	.379	.378	1.96	1.02	5-6	—	0	—	—	0	—	0.0
Oct.,	30.101						40	42	41	81	61	71	.265	.277	.271	1.66	0.65	18-19		0	—	—	0	—	0.2
Nov.,	30.110						30	34	32	78	71	74	.178	.202	.190	1.98	0.76	9	—	—	—	—	—	—	0.8
Dec.,	30.028						19	20	19	84	70	77	.170	.170	.170	2.81	1.28	26-27	—	0	—	—	0	—	9.0
Sum,	360.411						467	498	482	965	810	886	3.540	3.826	3.683	35.46	a	a	a	a	a	a	a	a	29.8
Mean,	30.034						39	42	40	80	68	74	.295	.319	.307	a	2.33	July 13-14	a	a	a	a	a	a	a

b To hundredths. *g* No entry unless the precipitation actually equaled or exceeded 2.50 inches in 24 consecutive hours, or 1 inch per hour, as the case may be. *h* The duration is the time precipitation was actually recorded.

Station Fort Wayne, Ind.

Month.	Mean Cloudiness (0 to 10.) 8 a.m. (d)	8 p.m. (d)	Monthly. (d)	Hours of Sunshine. Total.	Possible.	Percentage.	Wind. Elevation of Anemometer Cups Above Ground Dec. 31, 124 Feet. Total Movement in Miles.	Prevailing Direction.	Maximum Hourly Velocity During Month. Miles.	From.	Date.	No. of Days with 40 Miles and Over. (h)	Direction. Number of Times Observed Blowing from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	No. of Calms.	Number of Days. Clear.*	Partly Cloudy.*	Cloudy.*	Precipitation. .01 inch and over.	.04 inch and over.	Snow, trace and over.	Snow, .01 inch and over.	Hail.	Dense Fog.	Thunderstorms.	Auroras.
Jan.,	[illegible]	[illegible]	[illegible]	115.3	298.2	38	9373	SW	38	S	27	0	2	0	4	7	10	21	10	0	0	7	0	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Feb.,	6.9	5.0	7.0	105.2	309.5	34	7320	SW	34	NW	18	0	8	6	2	4	3	12	9	14	0	4	8	17	5	3	12	4	0	1	1	0
Mar.,	5.6	5.8	6.4	170.1	370.8	46	8,025	NE	46	SW	9	1	12	13	9	5	1	10	4	8	0	7	8	16	11	9	11	8	0	2	3	0
April,	6.6	6.7	6.8	198.0	399.7	50	8,108	SW	40	W	17	1	6	[illegible]	[illegible]	1	9	10	9	12	[illegible]	5	12	13	14	11	3	1	1	[illegible]	3	[illegible]
May,	5.9	5.8	6.0	221.6	449.0	49	7348	SW	42	SW	10	1	3	6	7	5	6	17	11	6	1	11	5	15	12	8	0	0	0	0	4	0
June,	5.9	4.7	6.1	259.6	452.0	57	6374	SW	37	SW	2	0	4	9	7	6	6	13	7	8	0	5	16	9	17	15	0	0	1	1	9	0
July,	1.9	3.5	3.0	363.0	458.3	79	4420	NE	40	NE	13	1	7	24	10	4	5	6	0	5	1	19	12	0	6	4	0	0	1	0	10	0
Aug.,	3.7	4.2	4.1	300.1	426.9	70	4845	SW	27	SW	19	0	7	8	2	5	10	16	3	10	1	15	11	5	11	8	0	0	0	0	7	0
Sept.,	4.3	2.9	4.9	217.0	374.0	58	6483	SW	40	SW	27	1	2	6	2	4	10	19	6	11	0	11	13	6	9	4	0	0	0	0	4	0
Oct.,	3.6	3.4	4.4	200.6	344.1	58	6773	SW	46	SW	20	2	3	5	10	10	9	18	1	6	0	15	4	12	10	7	1	1	0	1	1	0
Nov.,	5.0	4.4	5.3	136.7	297.0	46	8820	SW	40	SW	23	1	0	5	7	3	11	23	10	1	0	10	10	10	9	8	~~6~~ 5	~~5~~ 2	0	2	1	0
Dec.,	6.7	4.6	6.7	84.6	287.3	29	8017	SW	33	SW	9	0	3	1	5	7	11	22	10	3	0	5	12	14	17	11	14	12	0	1	3	0
Sum,	62.8	56.0	66.8	2369.8	4467.0	614	85806	a j	a j	a j	a j	8	57	96	70	61	91	187	80	87	3	114	119	133	135	101	53 ~~34~~	26 ~~37~~	3	9	46	0
Mean,	5.7	4.7	5.6	197.5	372.2 ~~341.2~~	51	a	SW	46	SW	mar. 9	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a

h Days with 40 miles per hour and over. j One entry only. * From sunrise to sunset.

Standard of time in local use, 90° meridian.

MONTH.	WIND. Mean Hourly Velocity. 1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	12 Mid't.	For the Month.
Jan.,	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Feb.,	9.3	9.3	9.7	9.9	9.6	9.6	9.6	10.1	11.0	11.7	12.1	12.2	12.8	13.0	12.7	12.0	11.2	9.6	9.4	9.6	9.6	9.8	9.8	8.9	10.5
Mar.,	9.9	9.0	8.9	8.7	8.6	8.4	9.0	10.1	10.6	11.0	11.2	11.7	12.9	12.6	13.0	12.7	12.3	11.7	12.0	11.5	11.0	11.0	10.6	10.3	10.8
April,	9.6	9.1	8.6	8.8	9.1	9.5	10.3	11.6	12.9	13.5	14.5	14.4	14.8	14.1	13.7	13.2	12.9	10.8	9.8	9.3	9.2	9.3	9.0	8.7	11.0
May,	7.5	7.6	7.8	7.8	8.0	8.2	9.4	10.3	11.6	12.2	13.0	13.0	13.9	13.1	12.2	11.8	11.9	9.8	8.1	8.2	8.2	7.9	7.9	7.7	9.9
June,	6.9	7.2	6.9	6.9	7.2	7.5	8.2	9.2	10.0	11.1	11.5	11.8	11.6	11.5	11.7	10.8	10.2	9.4	7.5	6.8	7.4	7.1	7.0	7.1	8.9
July,	5.0	5.4	5.1	5.1	4.7	4.8	5.3	5.4	6.1	6.4	7.1	7.5	7.9	7.8	7.2	7.2	6.8	5.9	4.8	5.0	5.4	5.9	5.6	5.4	5.7
Aug.,	5.4	6.0	6.0	5.6	5.4	5.3	5.9	6.8	6.6	7.6	8.2	8.3	8.7	8.4	8.5	7.9	7.7	6.7	5.4	5.4	5.2	5.3	5.1	4.9	6.5
Sept.,	7.2	7.1	7.1	7.4	7.2	6.7	7.8	9.2	9.9	11.0	11.2	11.5	11.9	12.2	12.3	11.3	10.3	7.8	7.5	7.6	8.0	8.3	8.0	7.4	9.0
Oct.,	7.1	6.6	6.6	6.8	7.1	7.5	7.8	8.1	10.2	11.2	11.5	11.9	11.9	11.9	11.5	10.6	9.1	8.2	8.9	9.1	9.2	9.2	9.0	7.7	9.1
Nov.,	10.7	10.4	10.2	10.3	10.4	9.9	10.2	10.3	12.1	14.3	14.7	15.5	16.3	16.5	15.2	13.8	11.4	11.4	12.3	12.3	11.8	11.3	11.6	11.1	12.2
Dec.,	9.9	9.6	10.0	9.6	9.6	9.8	10.3	10.3	10.8	11.9	12.6	13.2	13.1	12.9	11.9	10.9	10.1	10.3	9.8	10.6	10.5	10.3	10.5	10.2	10.8
Sum,	101.1	99.7	99.0	98.9	99.3	99.1	106.0	113.9	124.6	134.8	141.6	145.2	150.5	147.2	142.6	134.7	125.2	112.1	107.3	107.7	108.0	107.9	107.3	101.9	117.3
Mean,	8.4	8.3	8.2	8.2	8.3	8.3	8.8	9.5	10.4	11.2	11.8	12.1	12.5	12.3	11.9	11.2	10.4	9.4	8.9	9.0	9.0	9.0	8.9	8.5	9.8

Station Fort Wayne, Ind. Standard of time in local use, 90° meridian.

MEAN HOURLY ATMOSPHERIC TEMPERATURE.—(By Richards' Thermograph.)

MONTH.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	12 Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	12 Mid't.	For the Month.
Jan.,																									
Feb.,																									
Mar.,																									
April,																									
May,																									
June,																									
July,																									
Aug.,																									
Sept.,																									
Oct.,																									
Nov.,																									
Dec.,																									
Sum,																									
Mean,																									

Prepared by C. O. Schick.

P. M. Donovan
L. F.
Weather Bureau.

8—272

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 1 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	39	39	40	40	40	40	40	40	41	44	44	45	46	46	46	47	48	49	50	52	53 51	50	48
State of weather: Nature of precipitation and time of beginning and ending			RB DN														RE 4.20					RB DN RE DN		
Amounts of precipitation			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—					T		
Cloudiness and other conditions	Cloudy												Cloudy											
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	SW	SW	SW	SW	SW	SW	S	S	S	SE	S	S	S	S	S	S	S	S	SW	SW	SW	SW
Wind movement	10	12	8	8	7	6	5	5	8	8	9	4	9	11	10	11	13	15	15	19	20	20	18	22
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7.06; Character, Cloudy

Sunset: Time, 4.23; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
53	39	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 1.4 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .26 ins.; to 7 p. m., .86 ins.

Total precipitation, midnight to midnight, 1.12 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 0

Prevailing direction S

Total movement, 273

Average hourly velocity, 11.4

Maximum velocity, 29 Direction, SW Time. Began 11.44 PM

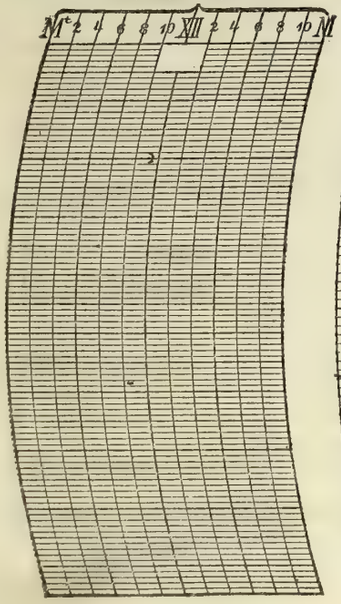
Extreme velocity, 27 SW 11.45 PM

Relative humidity, 100 a. m. 100 p. m.

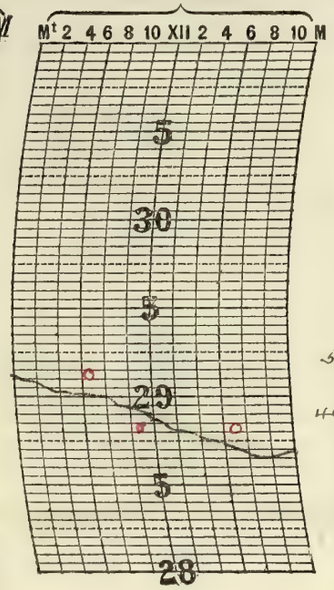
Reduced barometer, 29.93 a. m. 29.621 p. m.

River gage, 4.6 ft

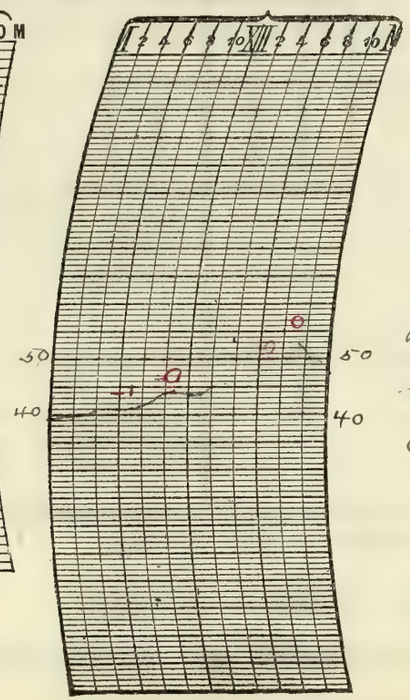
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The snow melted rapidly during the day and evening. The rainfall was intermittant. Streets and walks wet and slushy.

Light fog prevailed from 7.50 A.M to 9.10 A.M. Dense fog prevailed during the remainder of the day and evening (B 9.10 AM and E D.N.P.) causing the day to be rather dark and dreary.

Prepared by J.H.C.
Verified by A.M.S.

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Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 10 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	43	42	39	36	34	32	31	31	31	32	34	35	36	37	37	36	34	33	32	31	31	30	30
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy					× Pcldy	×			Clear									
Sunshine (in tenths of hours)								0	0	0	0.7	0.9	1.0	1.0	1.0	0.2 .40 0.8	0							
Wind direction	SW	SW	SW	W	W	W	W	W	W	W	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	26	24	25	26	29	21	24	19	20	20	20	17	22	19	18	17	15	16	15	14	18	15	17	15
Maximum velocities (exceeding 29 miles) direction and time	32 SW 1245	31 SW 1.07	35 SW 2.34	36 SW 3.46	37 W 4.28																			

Sunrise: Time, 7.06 Character, Cloudy

Sunset: Time, 4.24 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
48	30	37.	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 6.0

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 65

Prevailing direction SW W

Total movement, 472

Average hourly velocity, 19.7

Maximum velocity, 37 Direction, W Time. Began 4.28 AM

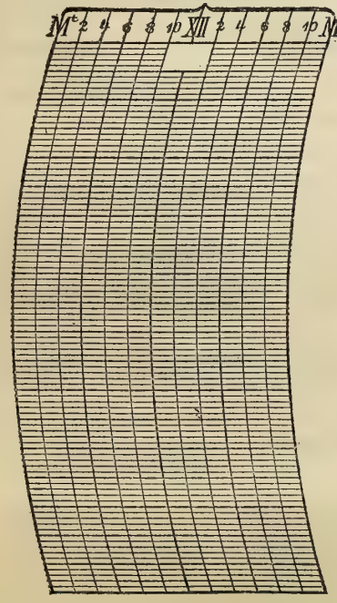
Extreme velocity, 38 - W - 4.30 AM.

Relative humidity, 88 a. m. 52 p. m.

Reduced barometer, 29.92 a. m. 30.13 p. m.

River gage, 14.5 ft.

THERMOGRAPH.



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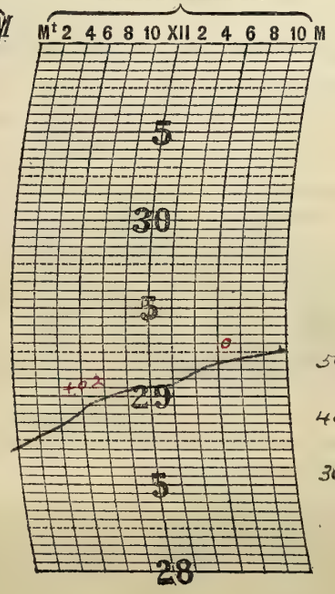

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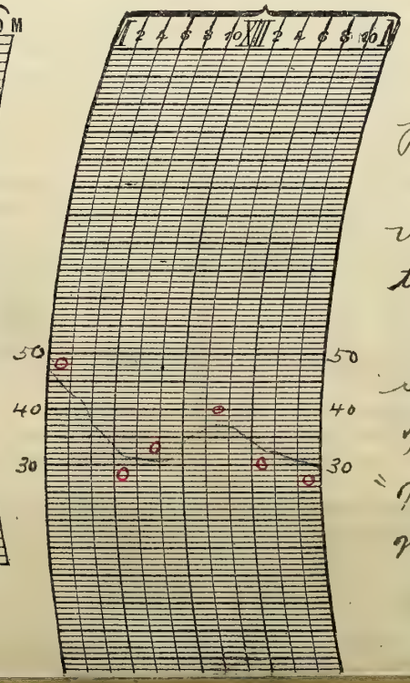


NOTES.

Strong and somewhat gusty winds prevailed during the early morning.

Streets and walks slushy and wet from melting ice and snow during the morning and forenoon.

Streets and walks nearly free from ice and snow in the evening.

The following river warning was issued: "The Maumee River will rise to 16.5 ft by Monday morning"

Prepared by H.F.C.

Verified by P.M.C.O.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 3 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	28	27	26	25	24	24 (28)	24	24	24	25	27	31	32	33	33	32	31	30	28	26	25	24	25
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cldy					× Pt Cldy	×			Clear									→
Sunshine (in tenths of hours)								0	0	0	0.4	0.9	1.0	1.0	1.0	0.5 (0.5-42)	0							
Wind direction	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	W	W	W	SW	SW	SW	SW	SW	SE	SW	SW	SW	S
Wind movement	15	14	12	9	10	15	12	13	13	11	9	8	6	6	10	11	7	5	5	5	7	7	7	7

Sunrise: Time, 7.06; Character, Cloudy

Sunset: Time, 4.25; Character, Clear

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
33	23	28	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 7 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 5.7

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 61

Prevailing direction SW

Total movement, 224

Average hourly velocity, 9.3

Maximum velocity,	Direction,	Time.
17	NW	Began 5.47 AM

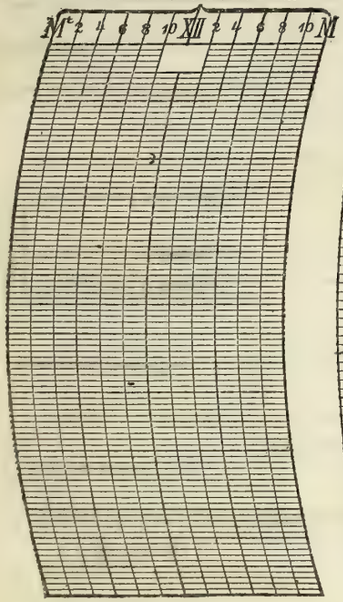
Extreme velocity, 17 NW 5.47 AM

Relative humidity, 77 a. m., 74 p. m.

Reduced barometer, 30.38 a. m., 30.49 p. m.

River gage, 17.3 ft.

THERMOGRAPH.



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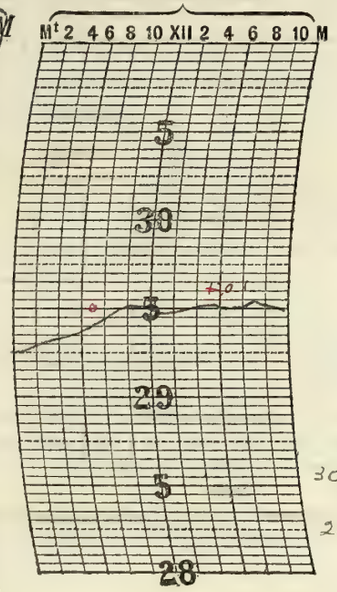

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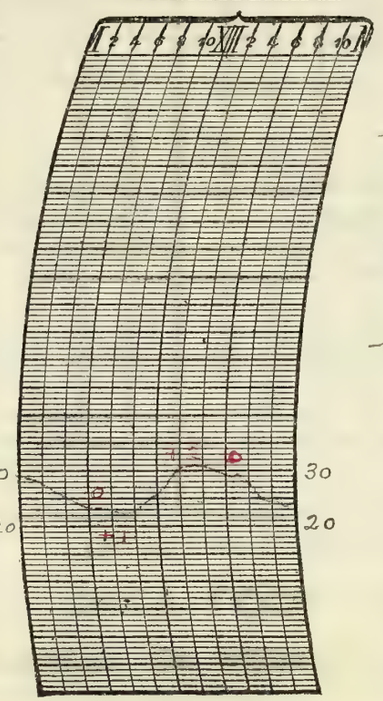


NOTES.

Except in a few protected places the streets and walks are free from ice and snow in the business section of the city. Some thawing occurred during the day.

Prepared by N.F.C.

Verified by O.M.G.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 1916 . 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	26	26	26	26	27	27	30	31	33	36	39	44	45	46	45	45	45	45	44	45	46	45	44	45
																					47			
State of weather: Nature of precipitation and time of beginning and ending															RB 2.40				RE 6.10 RB 6.58				RE DR	
Amounts of precipitation															T	T	T	T	T	—	—	—	—	
Cloudiness and other conditions					×	Cldy			×	Pt Cloudy		×				Cloudy								
Sunshine (in tenths of hours)								0	0.3	0.6	0.9	0.3	0.4	0	0	0	0							
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	8	7	5	8	9	11	15	16	18	20	19	20	19	19	19	17	16	15	16	17	23	23	20
Maximum velocities (exceeding 2.9 miles) direction and time																								

Sunrise: Time, 7.06 Character, Cloudy

Sunset: Time, 4.26 Character, Cloudy

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
47	25	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, 26 inches.

Character of day, Cloudy Moon phase, New Moon 10.45 P.

Average daily cloudiness (0–10)

Actual sunshine, hours, 2.5

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 27

Prevailing direction S SW

Total movement, 369

Average hourly velocity, 15.4

Maximum velocity, 28 Direction, SW Time. Began 10.08 P.M.

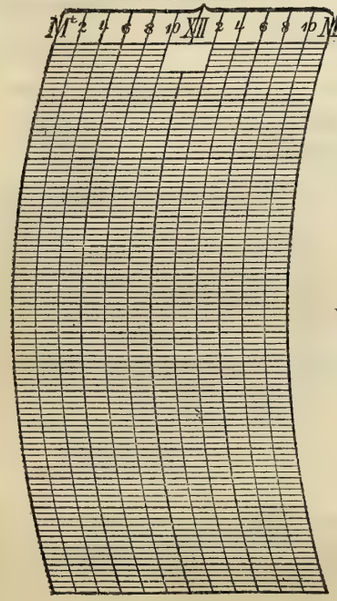
Extreme velocity, 29 - SW - 10.10 P.M.

Relative humidity, 76 a. m., 86 p. m.

Reduced barometer, 30.31 a. m., 29.94 p. m.

River gage, 17.5 ft

THERMOGRAPH.



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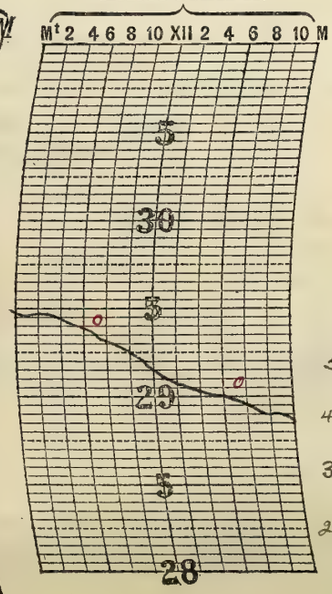

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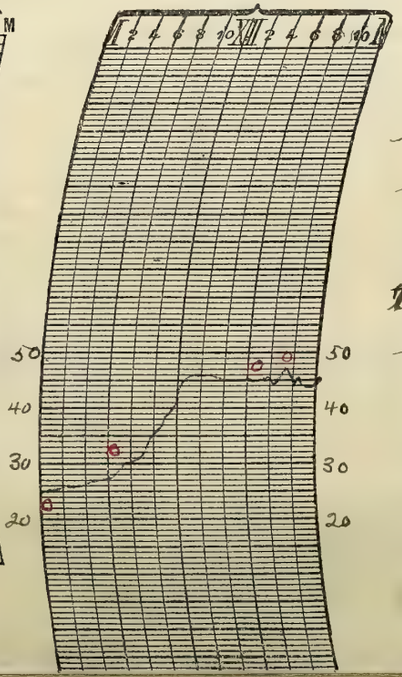


NOTES.

Some thawing occurred during the forenoon and much thawing during the afternoon and night (P.M.). Except in a few well protected places the snow and ice has disappeared from the streets and walks.

Prepared by J.H.C.

Verified by P.M.C.D.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 5 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	48	49	50	50	51	51	52	53	54	55	53	45	39	35	31	29	28	27	27	26	18	16	14
State of weather: Nature of precipitation and time of beginning and ending								TB 7.20						RE 1.15										
Amounts of precipitation								—	—	—	—	—	—	—										
Cloudiness and other conditions							Cloudy							Cloudy				* P.C. *	Clear					

Sunrise: Time, 7.06 Character, Cloudy

Sunset: Time, 4.27 Character, Cloudy

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	NW	W	W	W	NW	NW	NW
Wind movement	25	21	23	25	28	29	27	23	25	25	25	25	26	21	24	25	24	21	19	23	21	24	20	19
Maximum velocities (exceeding 29 miles) direction and time				30 SW 3.28	34 SW 4.54	33 SW 5.33	31 SW 6.05				32 SW 10.47	30 SW 11.55	35 W 12.46		30 W 2.11	33 W 3.45				30 W 7.43				

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
55	14	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .26 ins.; to 7 p. m., .14 ins.

Total precipitation, midnight to midnight, .14 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 0

Prevailing direction SSW

Total movement, 568

Average hourly velocity, 23.7

Maximum velocity, 35 Direction, W Time. Began 12.46 PM

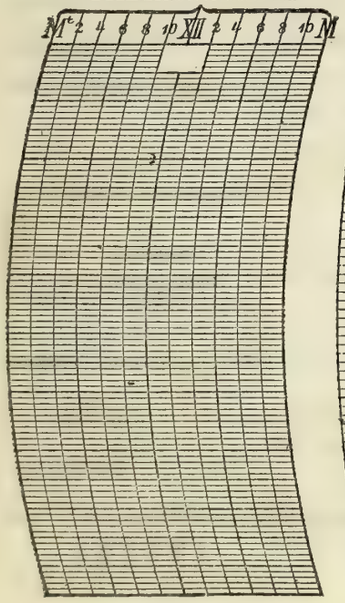
Extreme velocity, 36 - W - 12.48 PM.

Relative humidity, 92 a. m., 65 p. m.

Reduced barometer, 29.60 a. m., 29.94 p. m.

River gage, 18.8 ft.

THERMOGRAPH.



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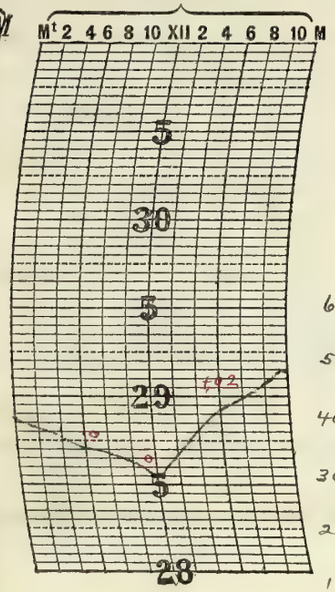

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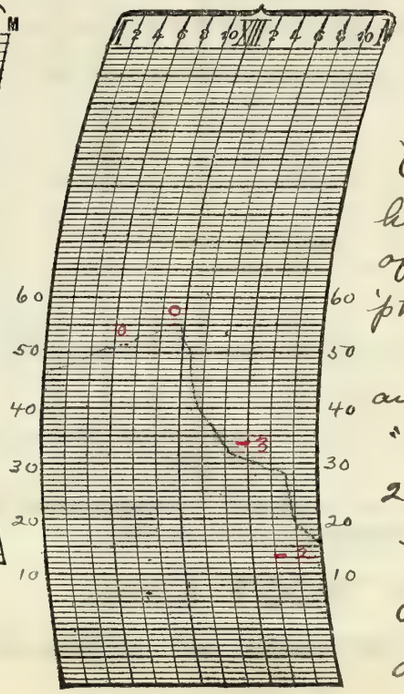


NOTES.

Streets and walks free from snow and ice.

A cold wave warning was received from "C.O." at 9.35 A.M. and the cold wave flag was hoisted immediately and displayed the remainder of the day; the warning was also disseminated by 'phone, press, and mail.

The following river warning was issued and disseminated by 'phone and press. "The Maumee River will reach a stage of 21.0 ft by Thursday morning."

High and somewhat gusty winds prevailed all day with rapidly lowering temperature during the afternoon and evening.

Prepared by J.H.R.

Verified by C.M.S.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 6 1916 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	14	14	14	14	14	14	14	14	13	14	16	17
State of weather: Nature of precipitation and time of beginning and ending					d SB DN	d SE DN		d SB 7.15	d SE 8.45			
Amounts of precipitation					T	T		T	T			
Cloudiness and other conditions				Cloudy						Pt Cloudy		
Sunrise: Time, Character,	7.06 Cloudy											
Sunshine (in tenths of hours)								0	0	0.7	0.6	1.0
Wind direction	NW	NW	NW	NW	NW	W	NW	NW	W	W	W	W
Wind movement	15	12	12	12	10	10	9	8	9	7	7	10
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	18	19	19	19	20	20	20	20	19	19	19	18
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character,									4.28 Cloudy			
Sunshine (in tenths of hours)	0.7	0	0	0	0							
Wind direction	W	W	W	SW	W	SW	SW	SW	SW	NW	NW	N
Wind movement	8	6	5	6	6	7	8	6	4	4	5	5
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
20	13	16	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 3.0

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 32

Prevailing direction W, NW

Total movement, 187

Average hourly velocity, 7.8

Maximum velocity,	Direction,	Time.
18	NW	Began 12.18 AM

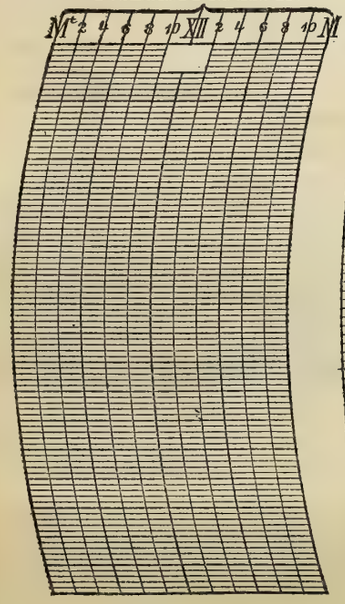
Extreme velocity, 18 – NW – 12.18 A.M.

Relative humidity, 74 a. m. 56 p. m.

Reduced barometer, 30.29 a. m. 30.34 p. m.

River gage, 20.6 ft.

THERMOGRAPH.



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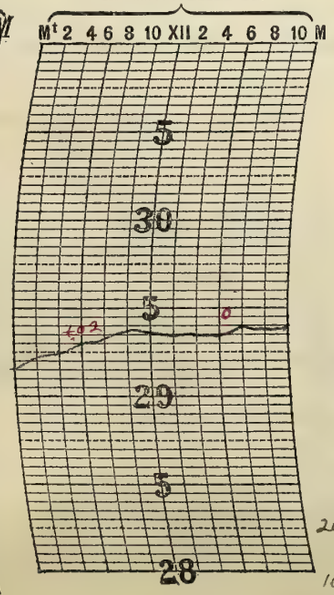

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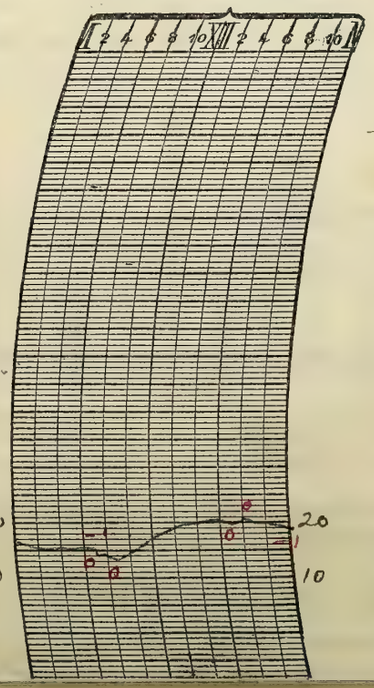


NOTES.

The Maumee river crested during the forenoon at a stage of 20.6 ft.

Prepared by J.F.C.

Verified by P.M.C.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 7 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	18	18	18	17	17	17	17 (16)	17	20	21	23	25	26	27	27	26	25	24	23	21	20	19	19	18
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Cldy					Clear					Clear									→
Sunshine (in tenths of hours)								0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.6 .48 0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	N	NE	NE	N	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	7	6	4	4	2	2	4	5	9	6	6	4	7	6	6	5	8	7	7	5	5	5	3

Sunrise: Time, 7.06 Character, Cloudy

Sunset: Time, 4.29 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
27	16	22	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 8.0

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 85

Prevailing direction NE

Total movement, 133

Average hourly velocity, 5.6

Maximum velocity, 9 Direction, NE Time. Began 5.32 PM

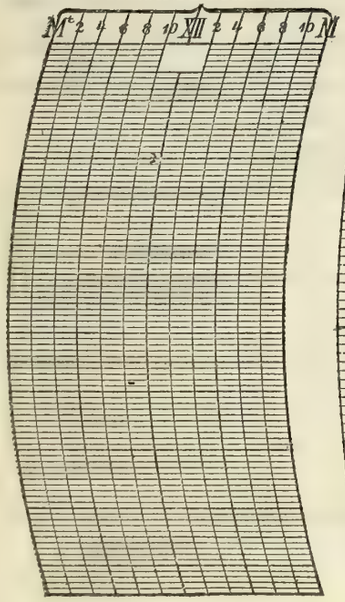
Extreme velocity, 9 - NE 5.32 PM.

Relative humidity, 71 a. m. 66 p. m.

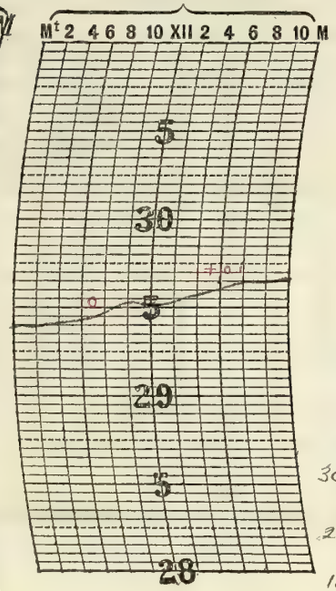
Reduced barometer, 30.42 a. m. 30.62 p. m.

River gage, 19.4 ft.

THERMOGRAPH.



BAROGRAPH.



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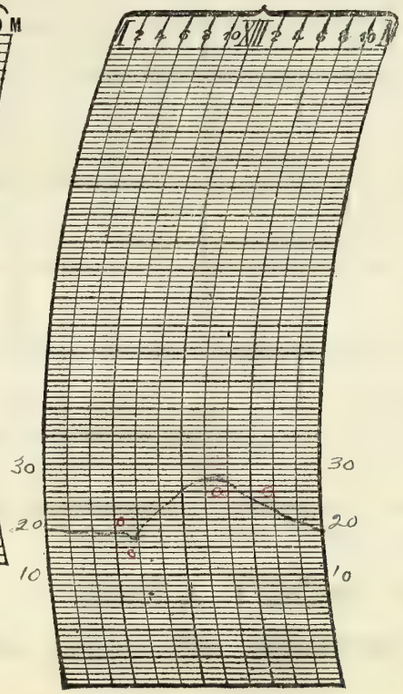


NOTES.

Prepared by H.T.C.
Verified by P.M.C.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 8 1916 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	18	18	17	17	17	17	18	19	22	27	29	32	34	35	36	35	34	33	32	31	30	30	28	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear							Clear								→	
Sunshine (in tenths of hours)								.90 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	0.9 0.1	.50 0							
Wind direction	NE	NE	E	E	E	E	E	S	SE	S	SW	SW	SW	SW	S	S	S	SE	SE	S	SE	S	S	S
Wind movement	2	2	3	3	2	2	2	3	5	4	6	5	8	8	8	7	5	6	5	7	8	9	9	8

Sunrise: Time, 7.06 Character, Clear

Sunset: Time, 4.30 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time 7

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	36	17	26	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 0

Actual sunshine, hours, 9.4

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 127

Average hourly velocity, 5.3

Maximum velocity,	Direction,	Time.
10	S	Began 9.44 P.M.

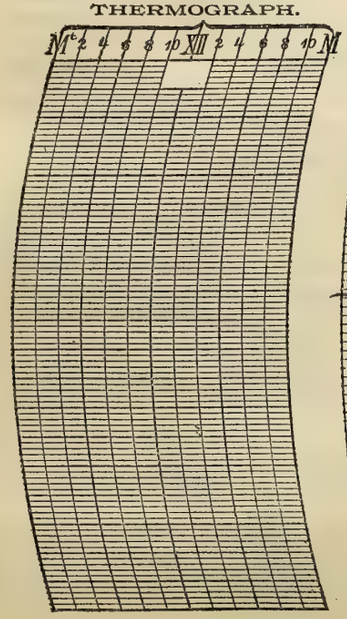
Extreme velocity, 10 – S – 9.44 P.M.

Relative humidity, 87 a. m. 65 p. m.

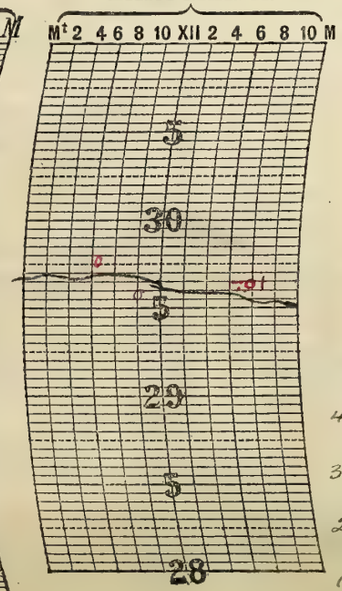
Reduced barometer, 30.65 a. m., 30.54 p. m.

River gage, 16.3 ft.

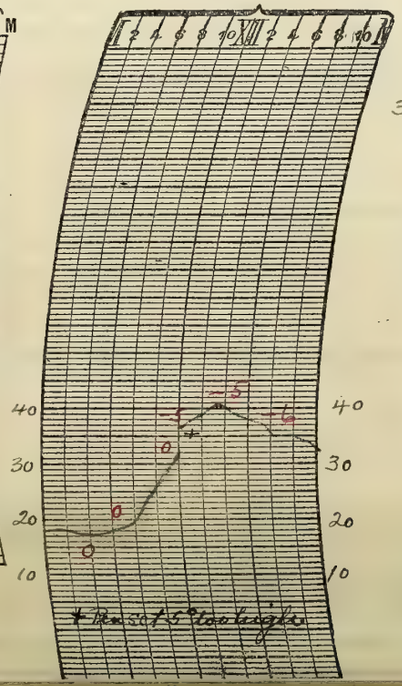
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sky was cloudless from sunrise to 3.00 P.M.

Prepared by J.H.C.

Verified by A.M.G.D.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 9 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	27	26	26	25	25	26	28	31	33	35	36	37	38	39	40	39	39	40	40	40	39	39
State of weather: Nature of precipitation and time of beginning and ending																		RB 5.25						
Amounts of precipitation																		T	T	T	T	T	T	T
Cloudiness and other conditions					←		Pt Cldy		×	Cldy					Cloudy									

Maximum.	Minimum.	Mean.	Normal.
40	25	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 0

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 0

Prevailing direction S.

Total movement, 373

Average hourly velocity, 15.5

Maximum velocity, 29 Direction, S Time. Began 7.08 P.M.

Extreme velocity, 30 S 7.08 P.M.

Relative humidity, 73 a. m. 100 p. m.

Reduced barometer, 30.30 a. m. 29.81 p. m.

River gage, 13.6 ft.

Sunrise: Time, 7.06 Character, Cloudy

Sunset: Time, 4.31 Character, Cloudy

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	S	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	S	S	S	S	S	S	S	SW	SW	S
Wind movement	7	8	7	8	9	11	12	12	12	10	15	17	22	18	16	17	17	20	23	25	21	18	25	23

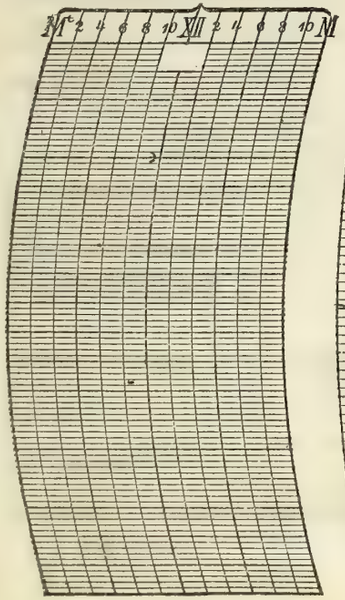
Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

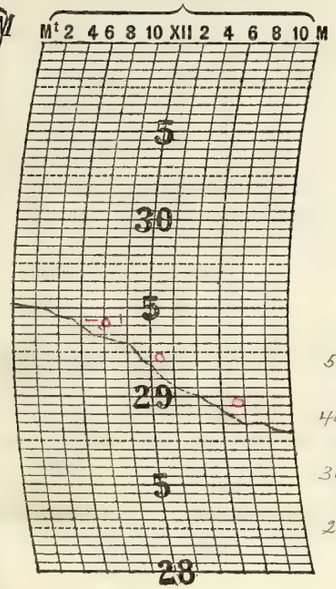
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

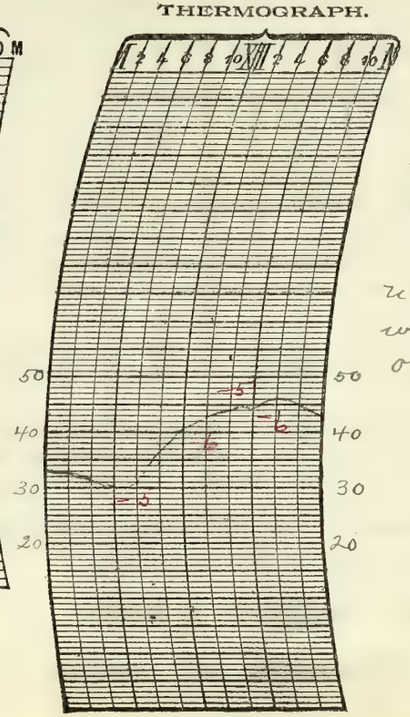
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following cold wave warning was received from "C.O." at 11.44 P.M. "Cold wave, temperature will fall to zero or lower, southern Ohio, northern Ohio, and to 10 degrees or lower by Tuesday morning."

The following correction was received the next morning, Jan 10.1916. 11.40 A.M. from "C.O.": Cold wave temperature will fall to zero or lower northern Indiana, and to 10 degrees or lower southern Indiana by Tuesday morning.

Prepared by [illegible]

Verified by [illegible]

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 10 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	39	40	42	43	44	44	44	45	45	45	45
Nature of precipitation and time of beginning and ending											RE 10.20	
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	T	
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	22	21	21	21	23	21	20	20	18	18	17	16

Sunrise: Time, 7.06; Character, Cloudy

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	44	43	43	42	40	38	33	31	29	29	28
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	W	SW	W	W	NW	NW
Wind movement	15	12	11	12	10	12	9	11	10	9	10	8

Sunset: Time, 4.32; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	45	28	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 0

Prevailing direction SW.

Total movement, 367

Average hourly velocity, 15.3

Maximum velocity, 26 Direction, SW Time. Began 4.15 A.M.

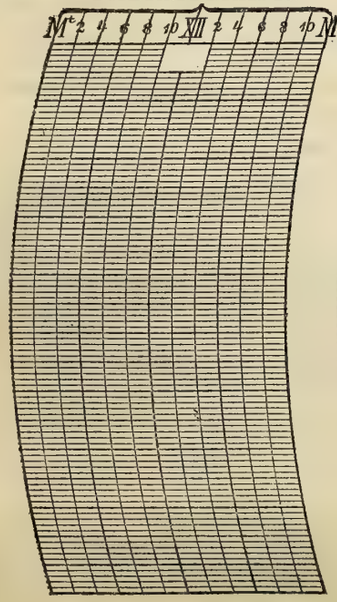
Extreme velocity, 26 - SW - 4.15 A.M.

Relative humidity, 100 a. m., 85 p. m.

Reduced barometer, 29.67 a. m., 29.88 p. m.

River gage, 9.5 ft.

THERMOGRAPH.



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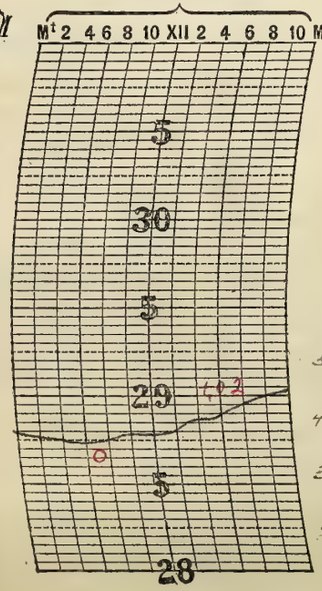

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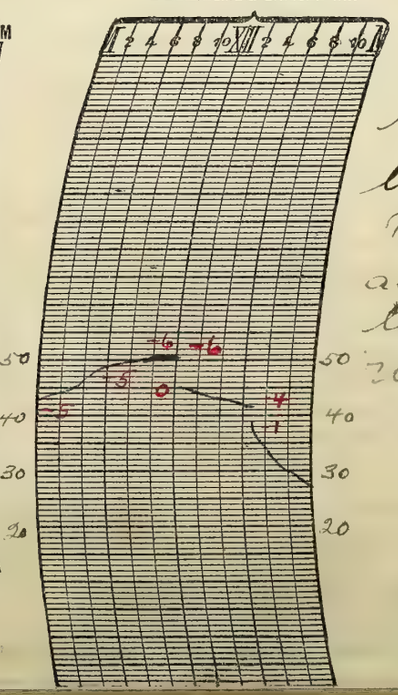


NOTES.

The following cold wave warning was received from "C O" at 9.01 A.M. "Much colder tonight and Tuesday with a cold wave". The cold wave flag was hoisted immediately and displayed the remainder of the day and the warning was disseminated in the morning forecasts, by phone and press.

Prepared by J.H.T.C.
Verified by P.M.C.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 11 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	27	26	26	26	26	26	26	27	27	27	27	28	28	28	28	27	26	27	27	26	27	28	29	30
State of weather: Nature of precipitation and time of beginning and ending																m SB 3.15				SE 7.45 SeB 7.45			SE 6.15 11.00	RB 11.00
Amounts of precipitation																—	—	—	—	—	—	—	—	—
Cloudiness and other conditions						Cloudy									Cloudy									
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	W	NW	NW	NW	NW	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	NE	NE	E	E	E
Wind movement	8	8	6	9	9	7	6	7	7	7	10	13	13	12	10	15	11	16	17	15	17	16	16	12
Maximum velocities (exceeding 20 miles) direction and time																								

Sunrise: Time, 7.05; Character, Cloudy

Sunset: Time, 4.33; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
30	26	28	

Total depth of snow for 24 hours ending 7 p. m., 1.9 inches.

Snow on ground 7 p. m., 1.2 inches.

Total snowfall, midnight to midnight, 2.3 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .16 ins.

Total precipitation, midnight to midnight, .44 inches.

Character of day, Cloudy — Moon phase, First Quarter 9.38 P.

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.5

Percentage of possible sunshine, 0

Prevailing direction NE.

Total movement, 267

Average hourly velocity, 11.1

Maximum velocity, 20 — Direction, NE — Time. Began 8.34 P.M.

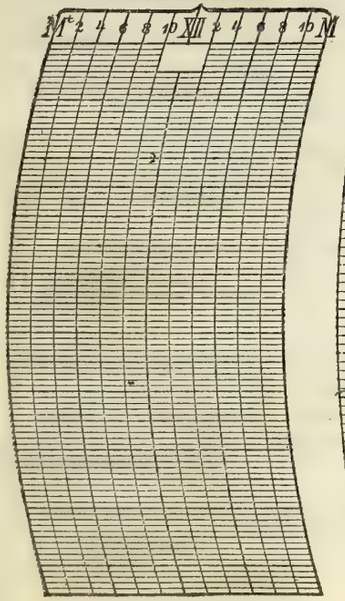
Extreme velocity, 20 – NE – 8.34 P.M.

Relative humidity, 73 a. m., 94 p. m.

Reduced barometer, 30.11 a. m., 30.11 p. m.

River gage, 7.0 ft.

THERMOGRAPH.



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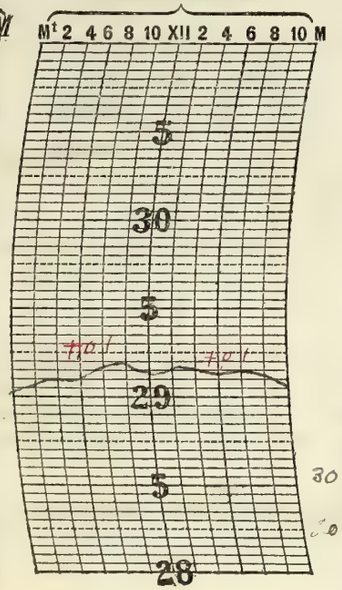

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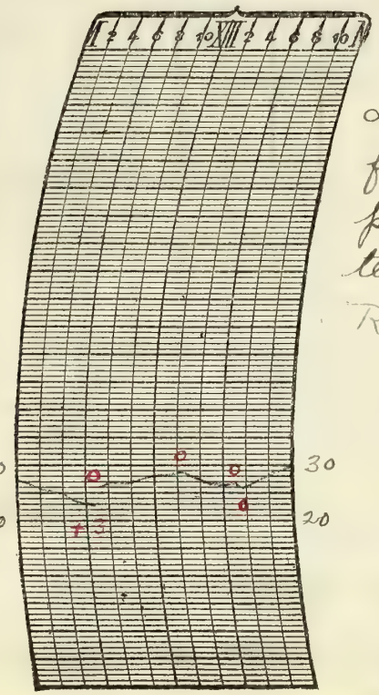


x estimated.

NOTES.

Moist snow fell during part of the afternoon and evening. Sleet to the depth of 0.3 in. fell from 7.45 P.M. to 11.00 P.M. The sleet caused practically no trouble to the transportation, telegraph, and telephone companies.

Rain began falling at 11.00 P.M.

Prepared by H.T.C.

Verified by O.M.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 12 1916 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	31	31	32	32	32	32	33	34	36	44	57
Nature of precipitation and time of beginning and ending										RE 9.30		
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—		
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)								0	0	0	0.1	0
Wind direction	E	E	E	E	E	NE	NE	E	E	E	E	SE
Wind movement	12	13	12	9	10	12	12	13	11	10	8	9
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58 50	46	45	42	42	36	35	34	31	22	16	12
Nature of precipitation and time of beginning and ending	RB 12.10							RE 8.00		SB 7.55		SE DN
Amounts of precipitation	—	—	—	—	—	—	—	—		T	T	T
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	22	11	8	9	9	13	17	16	22	25	30	27
Maximum velocities (exceeding 29 miles) direction and time											36 SW 10.18	

Sunrise: Time, 7.05 Character, Cloudy

Sunset: Time, 4.34 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
58	12	35	

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., .72 ins.; to 7 p. m., .58 ins.

Total precipitation, midnight to midnight, 1.02# inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0.1

Possible sunshine, hours, 9.5

Percentage of possible sunshine,

Prevailing direction SW

Total movement, 340

Average hourly velocity, 14.2

Maximum velocity, 36 Direction, SW Began 10.18 PM

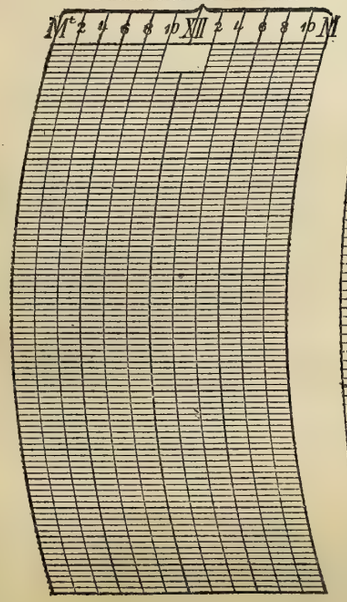
Extreme velocity, 36 SW 10.18 PM

Relative humidity, 100 a. m., 95 p. m.

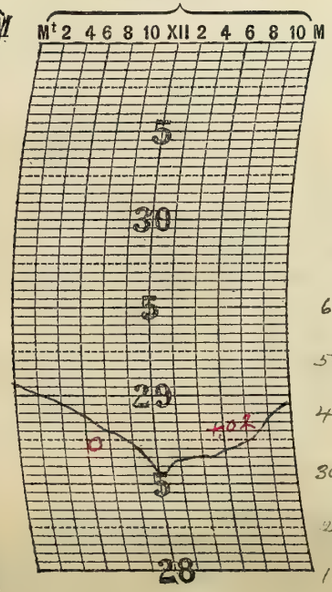
Reduced barometer, 29.76 a. m., 29.67 p. m.

River gage, 5.4 ft

THERMOGRAPH.



BAROGRAPH.



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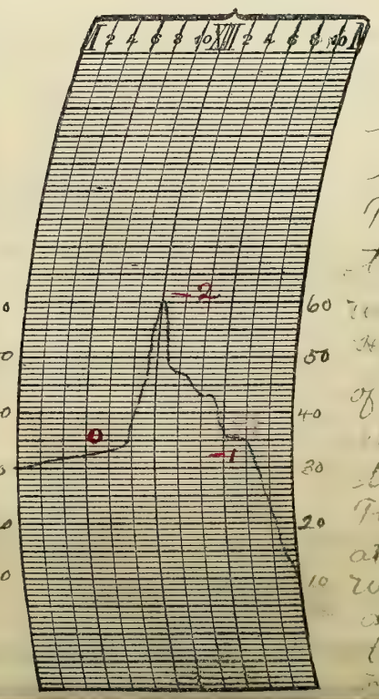


Prepared by HTC.
Verified by PMCA

8—426

NOTES.

#. Estimated.
X. Estimated, Anemo. out of order
*Estimated, Anemo. incrusted in ice

The rain which fell during the night (A.M.) froze on objects as it fell causing some trouble to the transportation companies, Telegraph and Telephone companies. During the early morning thawing set in making the streets and walks wet, slushy and slippery during the forenoon. High temperatures accompanied by a heavy down-pour of rain during the middle of the day practically cleaned up the snow and sleet from the streets and walks in the business section of the city.

The following cold wave warning was received from "CO" at 10.00 A.M. "Tonight and Tuesday much colder with a severe cold wave." The cold wave flag was hoisted immediately and displayed the remainder of the day and it was disseminated in the morning forecasts and press night fog B. 8.00 A.M. and E. 5.00 P.M.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 13 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	7	5	4	3	2	1	1	0	2	3	4	6	7	7	8	5	4	3	3	2	2	3	2	2
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								← Clear							Clear									
Sunshine (in tenths of hours)								.92 0	.05 0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.58 0							
Wind direction	SW	SW	SW	W	W	W	W	SW	SW	W	W	W	W	W	NW	NW	W	W	W	W	W	W	W	W
Wind movement	27 x	27 x	28 x	29 x	27 x	21	19	19	19	17	16	16	16	16	13	11	9	9	9	10	11	10	10	11

Sunrise: Time, 7.05 Character, Clear

Sunset: Time, 4.35 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
12	0	6	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 9.5

Possible sunshine, hours, 9.5

Percentage of possible sunshine, 100

Prevailing direction W.

Total movement, 400

Average hourly velocity, 16.7

Maximum velocity,	Direction,	Time.
*25	W	Began 5.40 AM.

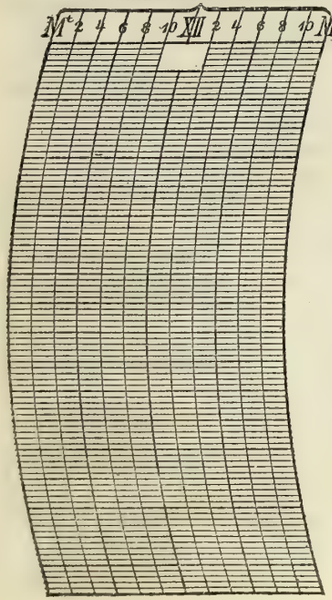
Extreme velocity, *25 W 5.40 AM.

Relative humidity, 81 a. m. 38 p. m.

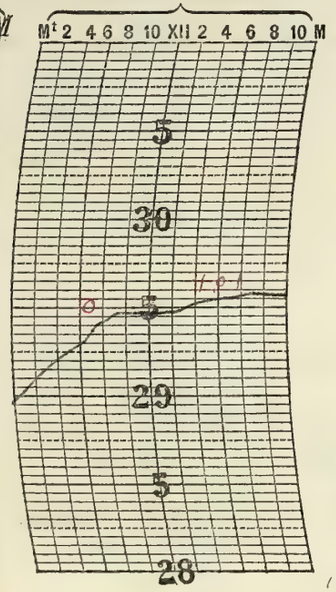
Reduced barometer, 30.34 a. m. 30.57 p. m.

River gage, 14.2 ft.

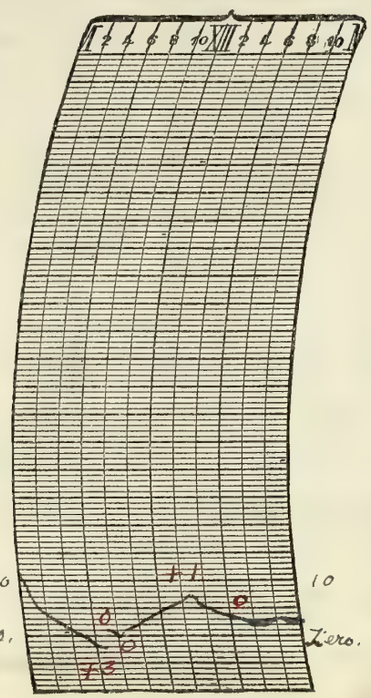
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

*Max and Min. vel. from 5.00 A.M. to midnight (P.M.) inclusive.

x Estimated, anemo. circuit out of order

A cold wave occurred on this date.

The day was rather cold.

Prepared by H.T.C.

Verified by O. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 14 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	2	2	1	1	0	1	1	3	6	10	11	13	16	15	16	15	16	16	15	15	14	14	13	14
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear									Clear									
Sunshine (in tenths of hours)								.93 / 0	1.0 / 0	0.1 / 0.9	1.0	1.0	1.0	1.0	0.1 / 0.9	1.0 / 0	.60 / 0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	N	N	N	SW	SW	SW	S	SE	SE	S
Wind movement	8	8	7	9	9	7	8	6	6	6	7	8	8	3	4	3	1	5	4	5	5	7	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7.04 Character, Clear

Sunset: Time, 4.36 Character, Clear

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
16	0	8	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 7 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 9.5

Possible sunshine, hours, 9.5

Percentage of possible sunshine, 100

Prevailing direction W

Total movement, 149

Average hourly velocity, 6.2

Maximum velocity, 11 Direction, W Time. Began 12 20 AM

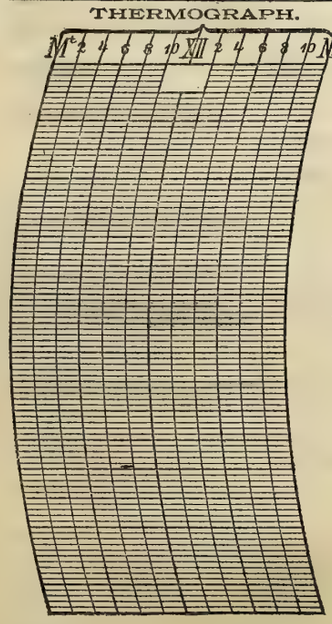
Extreme velocity, 11-W-12 20 A.M.

Relative humidity, 60 a. m., 65 p. m.

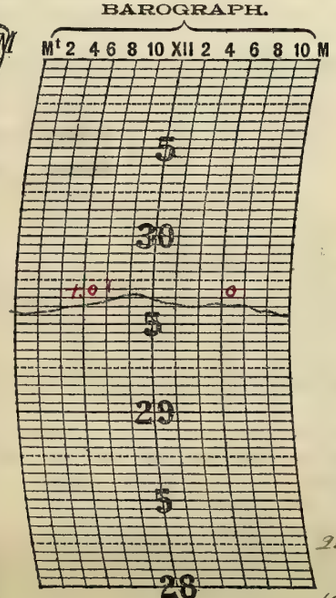
Reduced barometer, 30.64 a. m., 30.60 p. m.

River gage, 12.7 ft

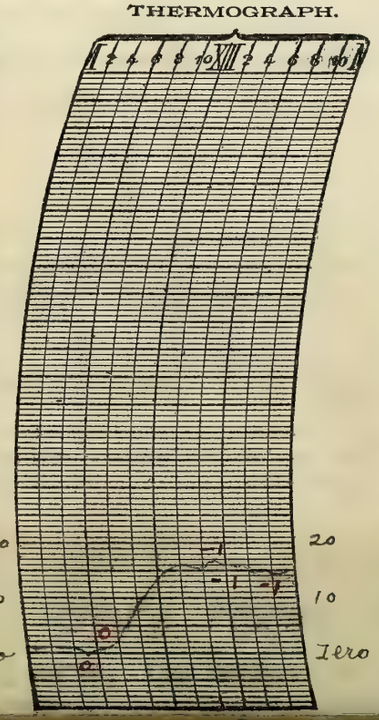
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.F.C.

Verified by J.M.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 15 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	15	15	15	16	16	17	17	17	18	18	19	20	21	21	23	24	26	27	27	27	27	27	24	21
State of weather: Nature of precipitation and time of beginning and ending									S 7 8.25						S 8 SE 3.00									
Amounts of precipitation									—	—	—	—	—	—	—									
Cloudiness and other conditions						← Cloudy							Cloudy											
Sunrise: Time, 7.04 Character, Cloudy																					Sunset: Time, 4.37 Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	S	S	S	S	S	S	SW	S	S	S	S	S	SE	SE	SE	S	S	SW	SW	SW	SW	W
Wind movement	8	7	8	6	9	8	9	10	9	8	8	11	9	8	7	8	5	7	9	10	12	11	11	13
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
27	14	20	

Total depth of snow for 24 hours ending 7 p. m., 4.5 inches.

Snow on ground 7 p. m., 4.5 inches.

Total snowfall, midnight to midnight, 4.5 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 2.0 ins.

Total precipitation, midnight to midnight, 2.0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.6

Percentage of possible sunshine, 0

Prevailing direction S

Total movement, 211

Average hourly velocity, 8.8

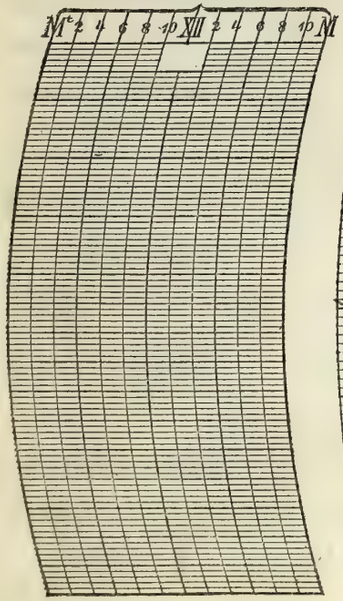
Maximum velocity,	Direction,	Time.
17	W	Began 11.32 P.M.
Extreme velocity, 17	W	11.32 P.M.

Relative humidity, 74 a. m. 70 p. m.

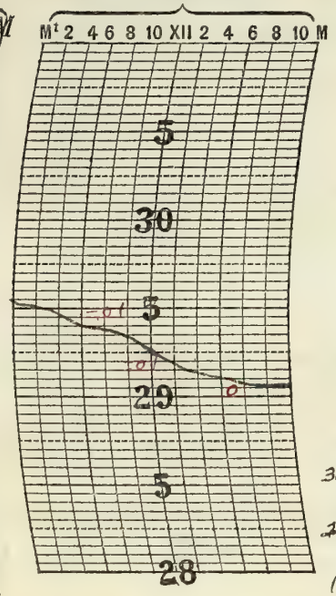
Reduced barometer, 30.35 a. m. 30.04 p. m.

River gage, 0.98 ft.

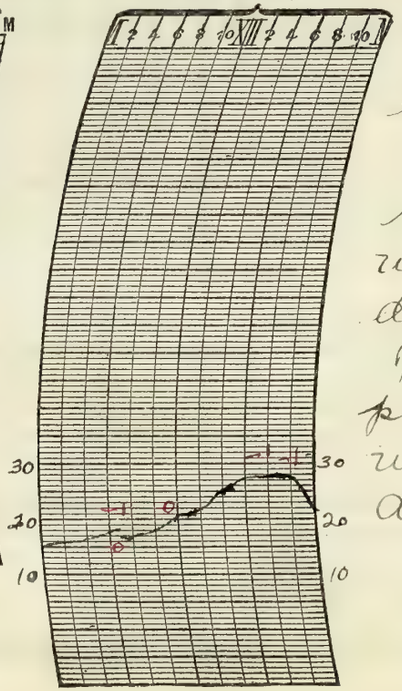
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dry snow fell during the day to a depth of 4.5 inches.

The following cold wave warning was received from "CO" at 10.00 P.M. "Cold wave, temperature will fall to about ten degrees during the next 36 hours."

The warning was given to the press, transportation companies, and the cold wave flag was displayed on the next day (Jan. 16) from 7.00 A.M. to 7.00 P.M.

Prepared by H.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 16 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	17	16	15	14	11	10	9	9	8	8	8	7	7	6	4	2	1	0	-1	-2	-3	-3	-4
State of weather: Nature of precipitation and time of beginning and ending							S B 6.10				S E 1.40													
Amounts of precipitation							T	T	T	T	T													
Cloudiness and other conditions							Cloudy									X P. C. X			Clear					
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0.4	0.8 0.2	0.5 0							
Wind direction	W	W	W	W	W	W	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW
Wind movement	11	11	12	13	15	12	11	12	13	15	16	19	17	20	19	18	17	17	17	17	16	15	17	15
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7.04; Character, Cloudy

Sunset: Time, 4.39; Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

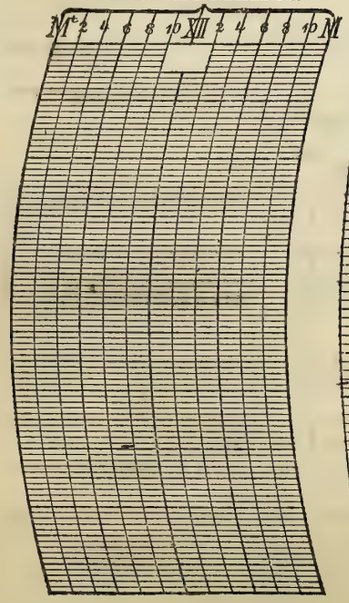
Maximum.	Minimum.	Mean.	Normal.
21	-4	8	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow on ground 7 p. m., 4.3 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10) 7
Actual sunshine, hours, 2.0
Possible sunshine, hours, 9.6
Percentage of possible sunshine, 21
Prevailing direction W
Total movement, 36.5
Average hourly velocity, 15.2

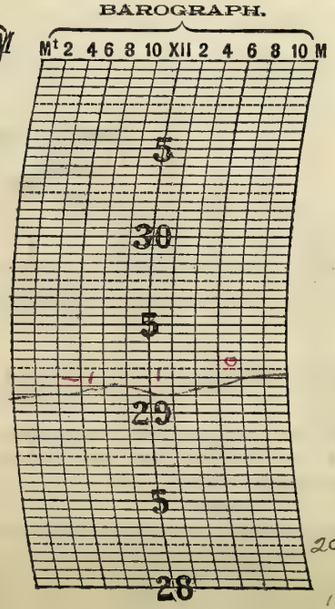
Maximum velocity,	Direction,	Time.
23	W	Began 12.33 PM

Extreme velocity, 23 - W - 12.33 PM.
Relative humidity, 70 a. m., 42 p. m.
Reduced barometer, 30.07 a. m., 30.15 p. m.
River gage, 8.0 ft.

THERMOGRAPH.



BAROGRAPH.



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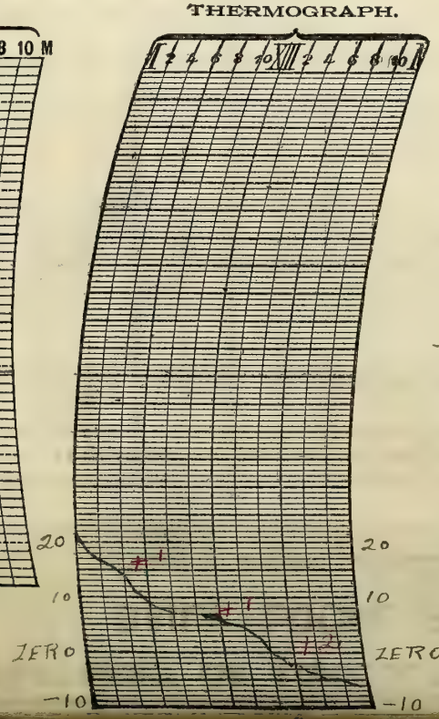


NOTES.

Light dry snow fell at intervals during the forenoon.
A cold wave occurred on this date.
The day was rather cold and a strong and somewhat gusty wind blew during the day and evening.

Prepared by HSC
Verified by

8—186

Form No. 1014—Met. I.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 17 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	-5	-6	-7	-7	-8	-8	-8	-6	-4	-1	1	5	7	8	9	8	7	6	6	10	11	11	11	11
State of weather: Nature of precipitation and time of beginning and ending																						d SB DN		SE DN
Amounts of precipitation																						T	T	T
Cloudiness and other conditions	Clear												Clear											
Sunrise: Time, 7.03 Character, Clear																					Sunset: Time, 4.40 Character, Clear			
Sunshine (in tenths of hours)								.95 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	.67 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	16	15	16	17	17	18	18	14	18	19	18	19	20	20	19	19	15	12	11	14	19	20	18	15
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
11	-8	2	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 4.0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) Few

Actual sunshine, hours, 9.6

Possible sunshine, hours, 9.6

Percentage of possible sunshine, 100

Prevailing direction SW

Total movement, 407

Average hourly velocity, 17.0

Maximum velocity, 24 Direction, SW Time. Began 3.16 PM.

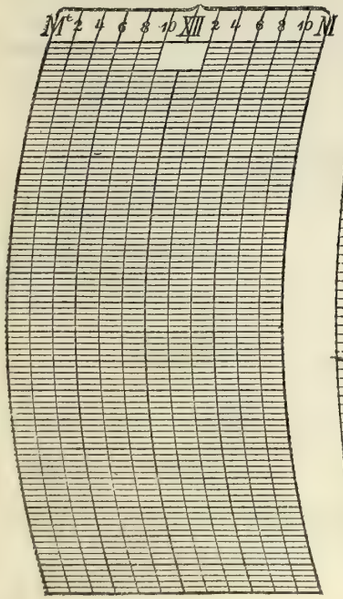
Extreme velocity, 24 SW 3.16 PM.

Relative humidity, 43 a. m. 80 p. m.

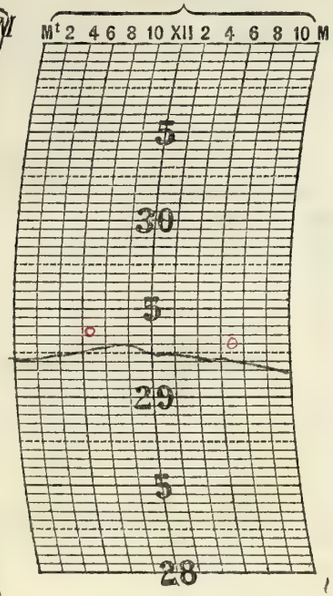
Reduced barometer, 30.27 a. m. 30.21 p. m.

River gage, 5.8 ft.

THERMOGRAPH.



BAROGRAPH.



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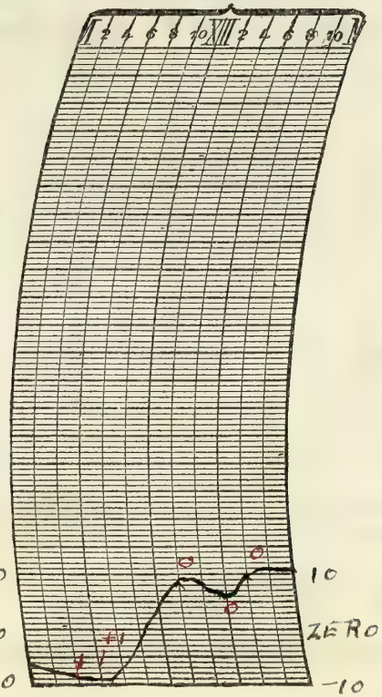


NOTES.

The day was cold.

Prepared by JHR.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 18 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	11	10	8	6	6	5	5	8	10	12	12	13	14	14	14	13	12	11	9	8	6	4	2	2
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear				× P.C. ×		Clear				Clear									
Sunrise: Time, Character	7.03 Clear																				Sunset: Time, Character	4.41 Clear		
Sunshine (in tenths of hours)								.95 0	0.2 0	0.6	1.0	1.0	1.0	1.0	1.0	0.8 0.2	.68 0							
Wind direction	SW	SW	W	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	16	15	20	18	16	14	16	17	18	21	22	23	20	18	18	17	15	13	13	12	11	10	11	14
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

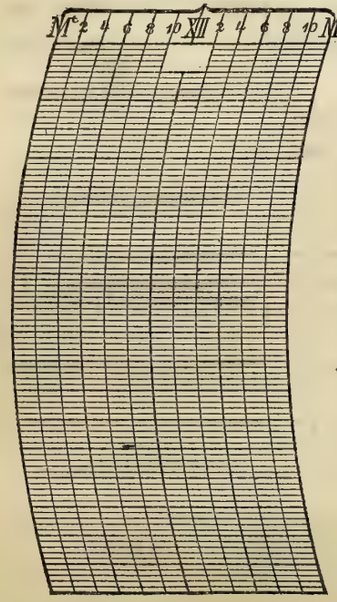
	Maximum.	Minimum.	Mean.	Normal.
Temperature	14	2	8	

Total depth of snow for 24 hours ending 1 p. m., 0 inches.
Snow on ground 7 p. m., 3.6 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10) 4
Actual sunshine, hours, 8.4
Possible sunshine, hours, 9.6
Percentage of possible sunshine, 87
Prevailing direction SW
Total movement, 387
Average hourly velocity, 16.1

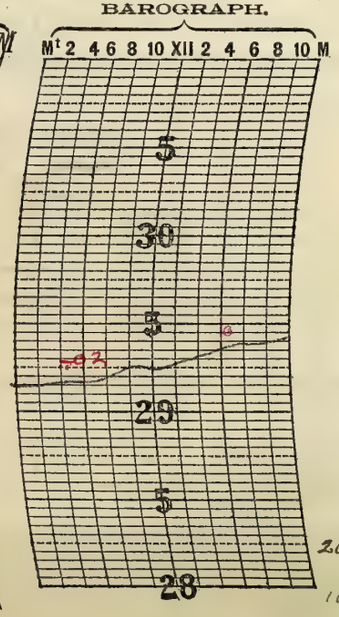
Maximum velocity,	Direction,	Time.
28	W	Began 11.03 AM

Extreme velocity, 28 - W - 11.03 AM.
Relative humidity, 53 a. m. 73 p. m.
Reduced barometer, 30.13 a. m. 30.36 p. m.
River gage, 5.8 ft.

THERMOGRAPH.



BAROGRAPH.



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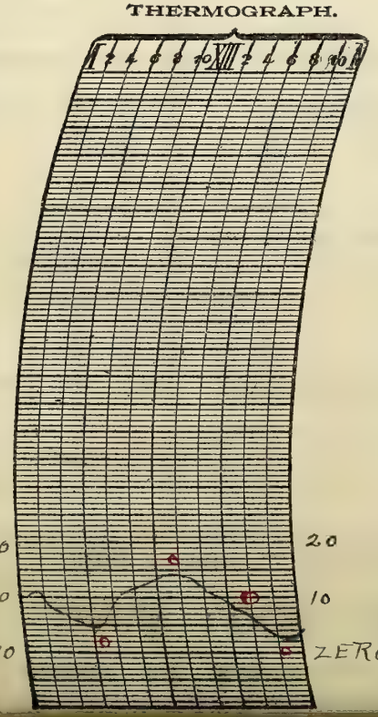


NOTES.

Strong and somewhat gusty winds prevailed during the day

Prepared by J.H.C.
Verified by

Form No. 1014—M5-1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 19 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	4	4	3	1	1	1	2	6	10	15	17	18	19	20	23	23	23	22	21	20	21	21	22	23
State of weather: Nature of precipitation and time of beginning and ending																			S 6.30					S DN
Amounts of precipitation																			T	—	—	—	—	—
Cloudiness and other conditions						Clear				×	P.Cldy	×			Cloudy									
Sunshine (in tenths of hours)								9.7 0	0.8 0.2	1.0	1.0	0.2	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	SE	S	S	SE	SE	SE	SE	SE	SE	SE
Wind movement	13	11	10	10	13	12	11	12	10	8	9	11	10	9	8	8	9	6	8	10	11	10	10	11

Sunrise: Time, 7.02; Character, Clear

Sunset: Time, 4.42; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	23	1	12	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 3.2 inches.

Total snowfall, midnight to midnight, 3.0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .24 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 4.2

Possible sunshine, hours, 9.7

Percentage of possible sunshine, 43

Prevailing direction SW.

Total movement, 240

Average hourly velocity, 10.0

Maximum velocity, 17 Direction, SW Time. Began 12.02 AM.

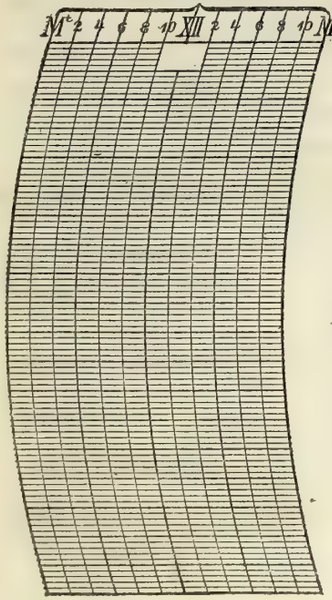
Extreme velocity, 17 — SW — 12.02 AM.

Relative humidity, 54 a. m. 93 p. m.

Reduced barometer, 30.47 a. m. 30.45 p. m.

River gage, 4.9 ft

THERMOGRAPH.



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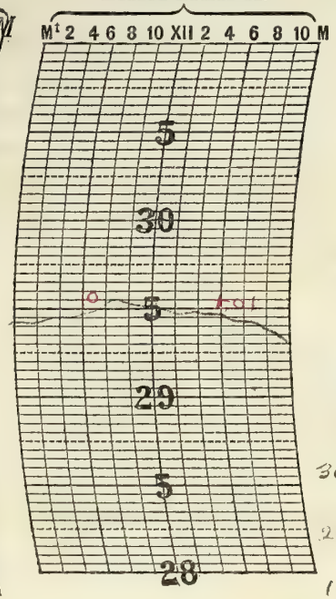
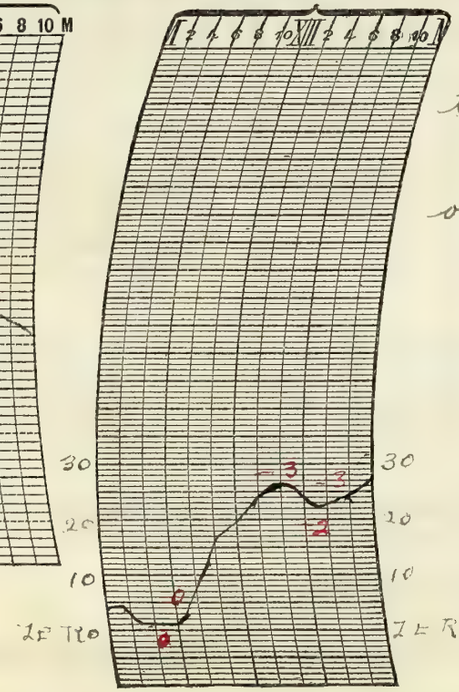


THERMOGRAPH. × Estimated.



NOTES.

Ci and Ci. St. clouds were seen from 9.00 A.M. to 1.00 P.M.

A faint solar halo of 22° arc was observed from 10.30 A.M. to 1.00 P.M.

Prepared by H.T.S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 20 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	27	27	29	31	32	33	33	34	35	36	37
Nature of precipitation and time of beginning and ending					RB DN							
Amounts of precipitation					–	–	–	–	T	T	T	T
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	17	15	18	19	20	19	22	24	25	23	26
Maximum velocities (exceeding 9 miles) direction and time												31 SW 11.03

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	37	37	37	37	37	38	38	39	40	41	41
Nature of precipitation and time of beginning and ending												RE DN
Amounts of precipitation	T	–	–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	25	19	14	13	12	13	13	9	9	11	12	9
Maximum velocities (exceeding 9 miles) direction and time												

State of weather.

Sunrise: Time, 7.01; Character, Cloudy

Sunset: Time, 4.43; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	41	23	32	

Total depth of snow for 24 hours ending 7 p. m., 3.0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .28 ins.; to 7 p. m., .08 ins.

Total precipitation, midnight to midnight, .42 inches.

Character of day, cloudy Moon phase, Full Moon 2.29 A

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.7

Percentage of possible sunshine, 0

Prevailing direction SW

Total movement, 399

Average hourly velocity, 16.6

Maximum velocity, 31 Direction, SW Time. Began 11.03 A.M.

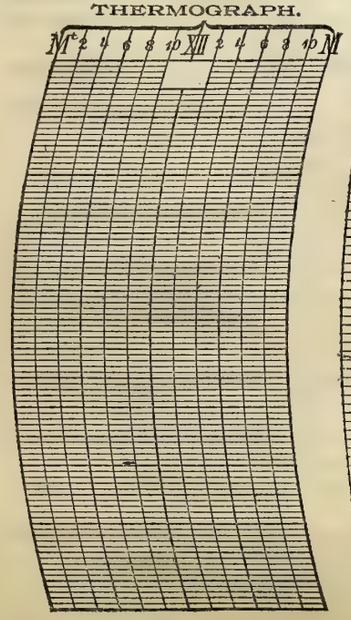
Extreme velocity, 31 - SW - 11.03 A.M.

Relative humidity, 100 a. m., 96 p. m.

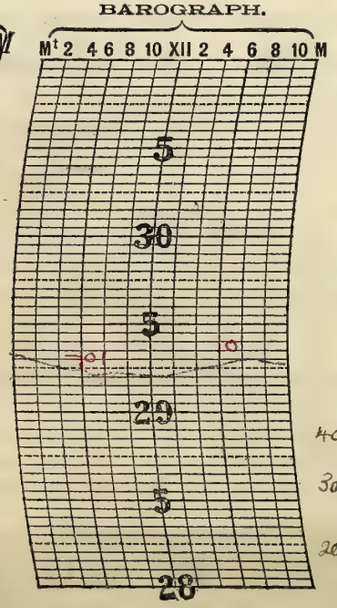
Reduced barometer, 30.15 a. m., 30.23 p. m.

River gage, 4.5 ft.

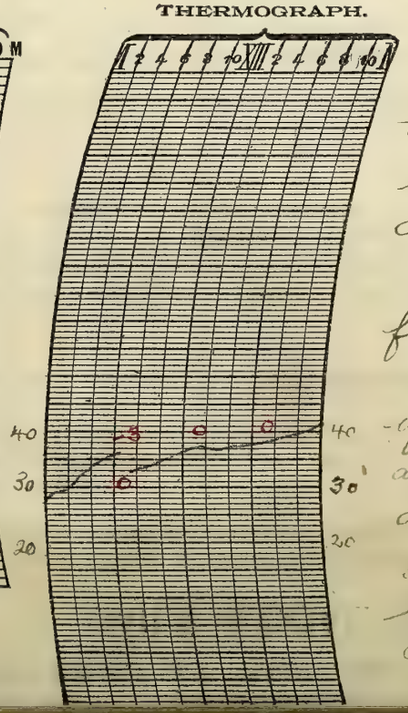
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



x estimated

NOTES.

The rain which fell during the early morning froze soon after it fell making the streets and walks icy, and slippery, and dangerous to pedestrians in the morning.

The rain from 8.00 A.M. to 1.00 P.M. was in the form of mist.

The streets and walks in the business section of the city were wet and slushy from rain, and melting snow and ice during the afternoon and the forenoon after 10.00 A.M. and also during the night P.M.

Strong and somewhat gusty winds prevailed during the day.

Prepared by J.H.C.

Verified by

Form No. 1117 Rev. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 21 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	44	45	45	46	46	46	49	50	53	56	60
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	clear		×	Pt cldy		
Sunshine (in tenths of hours)								98 0	0.3 04	+ 0.9	+ 0.6	+ 1.0
Wind direction	S	SE	S	S	S	S	S	S	S	S	S	S
Wind movement	6	12	16	16	10	11	16	20	17	16	23	27
Maximum velocities (exceeding 29 miles) direction and time												30 S 11.03

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	61	60	59	57	57	57	57	56	55	54	53
Nature of precipitation and time of beginning and ending			RB 2.30			RE 6.00		RB 7.20				RE DN
Amounts of precipitation			T	T	T	T		—	—	—	—	—
Cloudiness and other conditions			×		Cloudy							
Sunshine (in tenths of hours)	+		1.0	0.8	0.2	0	0					
Wind direction	S	S	S	S	S	S	SW	SW	SW	SW	S	SW
Wind movement	23	22	23	22	21	18	19	20	17	16	16	17
Maximum velocities (exceeding 29 miles) direction and time												

State of weather.

Sunrise: Time, 7.01; Character, Clear

Sunset: Time, 4.44; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	61	41	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .30 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .19 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 6.2

Possible sunshine, hours, 9.7

Percentage of possible sunshine, 64

Prevailing direction SW

Total movement, 424

Average hourly velocity, 17.7

Maximum velocity, 30 Direction, S Time. Began 11.03 AM

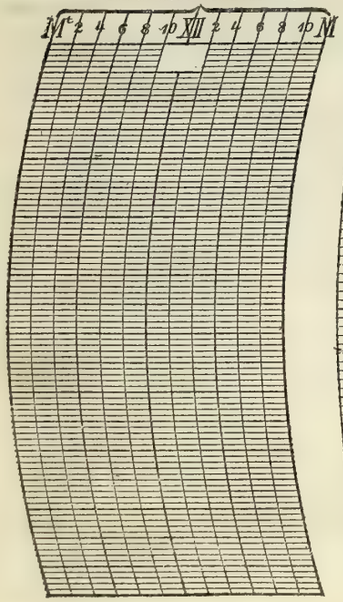
Extreme velocity, 30 - S - 11.03 AM

Relative humidity, 88 a. m. 91 p. m.

Reduced barometer, 30.12 a. m. 29.91 p. m.

River gage, 6.8 ft.

THERMOGRAPH.



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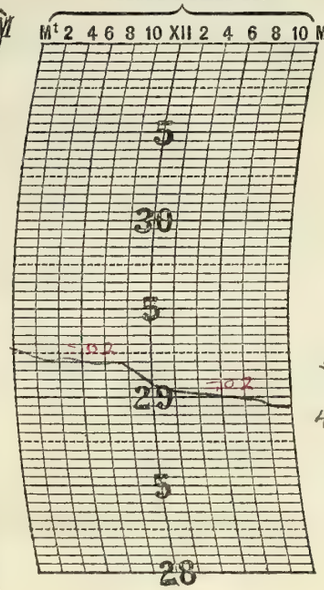

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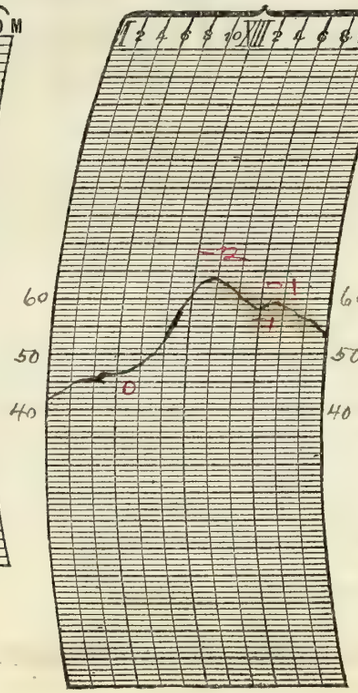


NOTES.

Much thawing occurred during the night (A.M.) and forenoon. Snow and ice had disappeared from the walks and streets in the business section by Noon (12.00 M). Walks and streets wet and slushy from melting snow and ice during the forenoon and as the evaporization was not rapid, the streets were wet during the afternoon. Occasional rain fell at intervals during part of the afternoon. The day was warm and pleasant for the time of year

+ St. Cu. clouds were observed from 9.00 A.M. to 2.00 P.M.

Streets and walks free from snow and ice at 5.00 P.M.

Prepared by H.F.C.

Verified by C. M. W.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 22 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	52	51	50	46	40	39	38	38	38	39	40	44	45	46	44	41	40	38	37	36	35	34
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy			×	P.C.	×			Clear									
Sunshine (in tenths of hours)								0	0	0	1.0	1.0	1.0	1.0	1.0	1.0	.77 0							
Wind direction	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW	W	W
Wind movement	19	18	15	16	18	17	17	16	16	14	15	17	16	15	15	14	11	12	9	10	9	9	11	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7.00 Character, Cloudy

Sunset: Time, 4.46 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	53	34	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .19 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 6.8

Possible sunshine, hours, 9.8

Percentage of possible sunshine, 70

Prevailing direction W

Total movement, 338

Average hourly velocity, 14.1

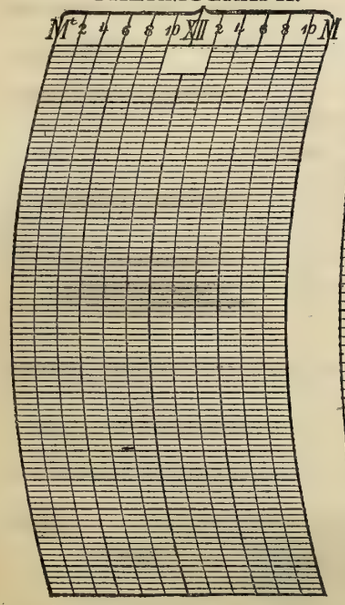
	Maximum velocity,	Direction,	Time.
	21	SW	Began 12.14 A.M.
Extreme velocity,	21	SW	12.14 A.M.

Relative humidity, 88 a. m., 92 p. m.

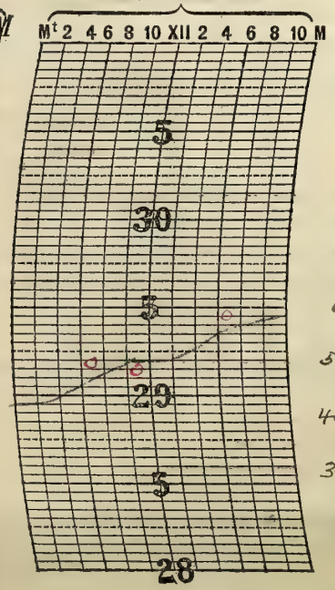
Reduced barometer, 30.01 a. m., 30.31 p. m.

River gage, 14.4 ft.

THERMOGRAPH.



BAROGRAPH.



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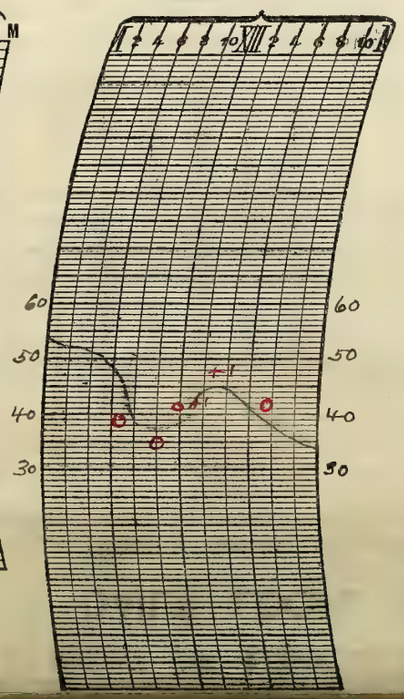


NOTES.

Prepared by HAC.

Verified by [illegible]

Form No. 1117-Met. A.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 23 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	31	31	30	29	29	32	35	39	42	44	46	48	48	46	44	42	41	40	38	37	37	37
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←	Pt	Cloudy					Pt	Cldy			→	Clear					
Sunshine (in tenths of hours)							0	0	0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SE	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	7	5	5	4	5	4	4	3	1	5	5	8	8	8	8	5	5	7	8	8	5	5	6	8

Sunrise: Time, 6.59; Character, Cloudy

Sunset: Time, 4.47; Character, Clear

Maximum velocities (exceeding 9.9 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
48	29	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 7.8

Possible sunshine, hours, 9.8

Percentage of possible sunshine, 80

Prevailing direction SE

Total movement, 137

Average hourly velocity, 5.7

Maximum velocity, 11 Direction, SE Time. Began 11.10 AM

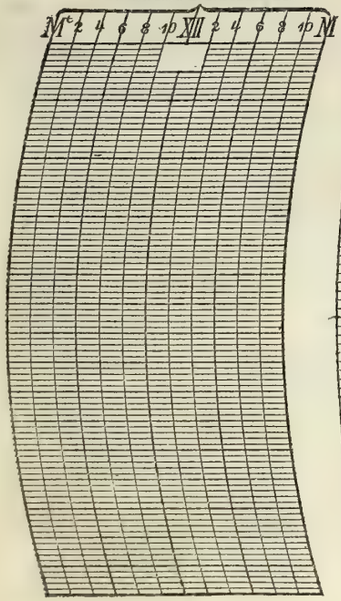
Extreme velocity, 11 - SE - 11.10 AM.

Relative humidity, 70 a. m. 62 p. m.

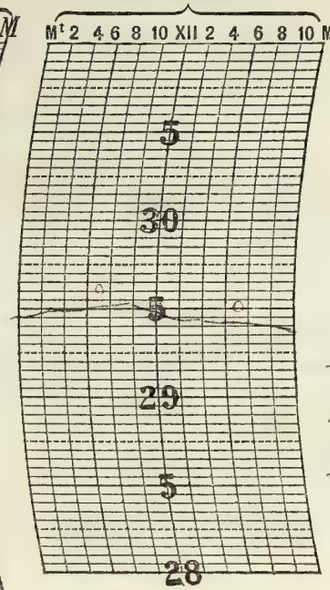
Reduced barometer, 30.47 a. m. 30.38 p. m.

River gage, 14.3 ft.

THERMOGRAPH.



BAROGRAPH.



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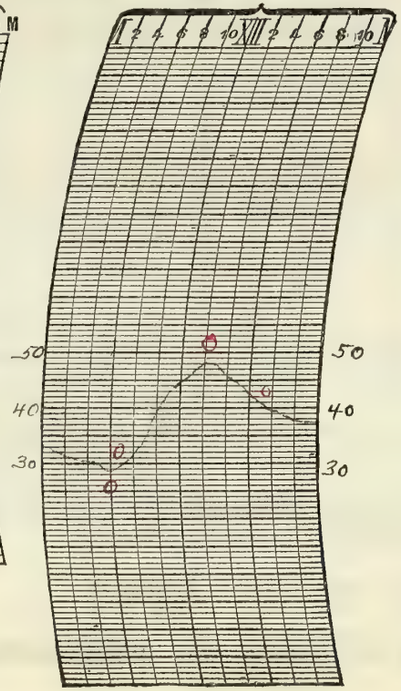


NOTES.

A. St. and Ci. St. Clouds prevailed during the day.

Prepared by J.F.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 24 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	33	34	34	35	36	36	40	44	47	50	52	53	53	52	49	48	46	46	46	45	46	45
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear							*Pt. Cldy*				Clear						
Sunrise: Time, Character,	6.59 Cloudy																				Sunset: Time, Character, 4.48 Clear			
Sunshine (in tenths of hours)							0	0	0.7	1.0	1.0	1.0	1.0	1.0	0.8	0.1 0.7	.80 0							
Wind direction	SE	SE	SE	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	7	5	6	10	8	8	9	10	11	11	16	15	16	17	16	14	14	13	12	11	13	13	15	15
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

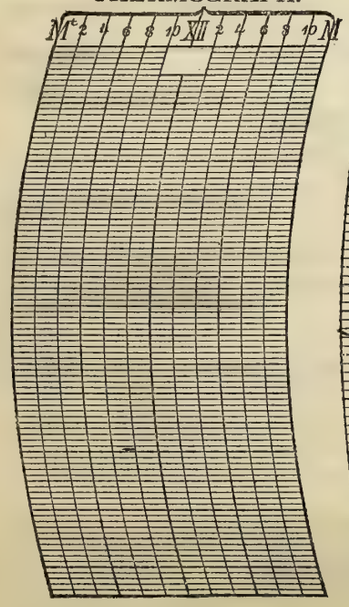
Maximum.	Minimum.	Mean.	Normal.
53	33	43	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear; Moon phase,
Average daily cloudiness (0-10) 3
Actual sunshine, hours, 8.1
Possible sunshine, hours, 9.8
Percentage of possible sunshine, 83
Prevailing direction S
Total movement, 2.85
Average hourly velocity, 11.9

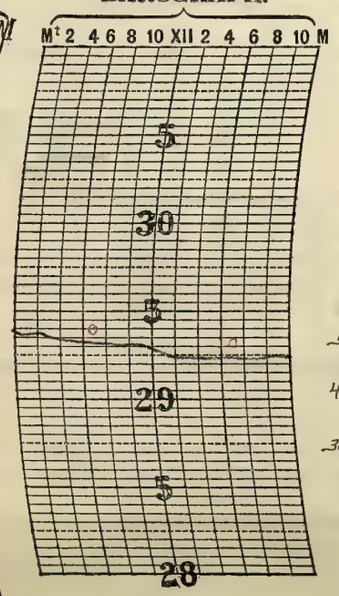
Maximum velocity,	Direction,	Time.
22	SW	Began 2.14 PM

Extreme velocity, 22 – SW – 2.14 PM.
Relative humidity, 81 a. m., 78 p. m.
Reduced barometer, 30.26 a. m., 30.18 p. m.
River gage, 12.5 ft.

THERMOGRAPH.



BAROGRAPH.



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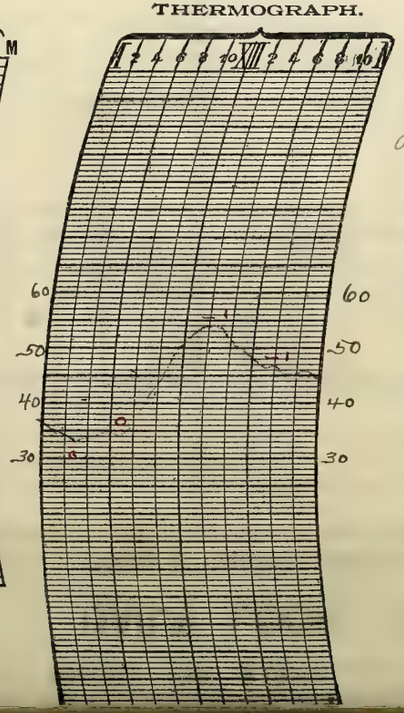


NOTES.

Cirrus Stratus and Cirrus Stratus Clouds were observed during the day

Prepared by J.H.T.
Verified by P.W.A.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JAN 25 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	42	42	42	43	43	43	44	45	48	51	54	55	56	55	55	53	51	50	49	47	45	45	44
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←	Cldy					Pt Cldy					×		Clear				→	
Sunrise: Time, 6.58 Character, Cloudy																					Sunset: Time, 4.49 Character, Cloudy			
Sunshine (in tenths of hours)							0	0	0.1	0.2	0.9	1.0	0.4	0.8	0.3	0	0							
Wind direction	S	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	S	S	SW	SW	S	S	S	S
Wind movement	12	9	11	10	11	12	11	11	14	16	15	18	19	19	18	16	10	10	13	11	9	7	11	6
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
56	42	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 3.7

Possible sunshine, hours, 9.8

Percentage of possible sunshine, 38

Prevailing direction S

Total movement, 302

Average hourly velocity, 12.6

Maximum velocity, 23 Direction, SW Time. Began 12.29 P.M.

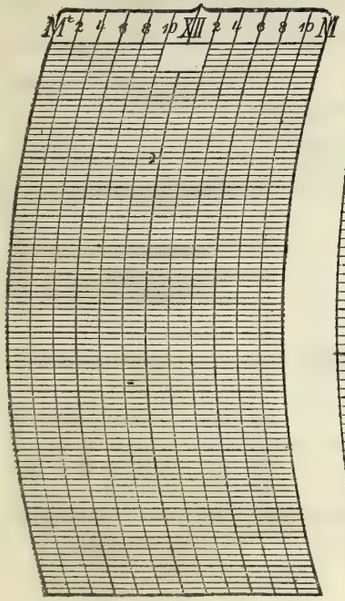
Extreme velocity, 24 - SW - 12.29 P.M.

Relative humidity, 83 a. m. 76 p. m.

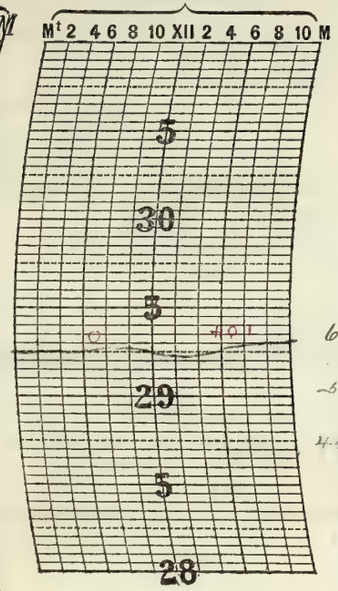
Reduced barometer, 30.17 a. m. 30.22 p. m.

River gage, 11.0 ft

THERMOGRAPH.



BAROGRAPH.



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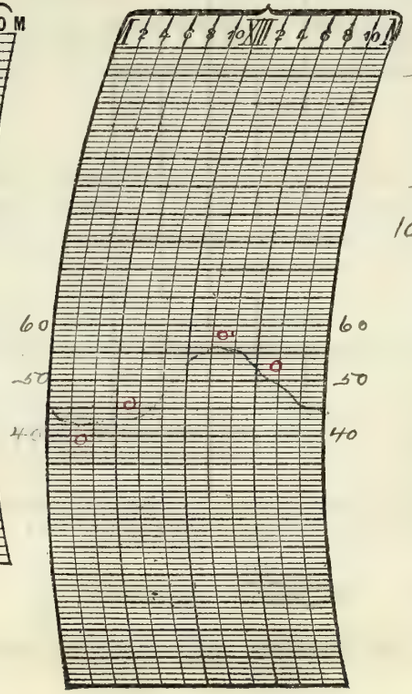


NOTES.

Streets were wet in the morning from night-sweat.
Ci. Cu. and Ci. St. clouds prevailed from 10.00 A.M. to sunset.

Prepared by H.T.C.
Verified by C.F.W.

3—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JAN 26 1916, 191

Time (local standard) 6/C mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	44	44	45	46	46	47	47	49	50	52	54	57	59	59	59	57	55	53	52	52	52	53	53
State of weather: Nature of precipitation and time of beginning and ending												RB 11.45 RE 11.55 T												
Amounts of precipitation																								
Cloudiness and other conditions					←		Cloudy						×	P.C.	×	Cloudy			P.C.	×	Clear	→		
Sunrise: Time, Character,	6.57 Cloudy																				Sunset: Time, Character,	4.51 Cloudy		
Sunshine (in tenths of hours)							0	0	0	0	0	0	0.4	0.4	0.1	0	0							
Wind direction	S	S	S	S	S	SE	SE	SE	S	SE	SE	S	SE	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	8	6	6	6	6	8	7	7	8	8	7	10	10	12	12	9	8	7	10	10	12	10	11	9
Maximum velocities (exceeding 15 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
59	44	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 9

Actual sunshine, hours, 0.9

Possible sunshine, hours, 9.9

Percentage of possible sunshine, 9

Prevailing direction SE

Total movement, 207

Average hourly velocity, 8.6

Maximum velocity,	Direction,	Time.
15	S	Began 2.35 PM.

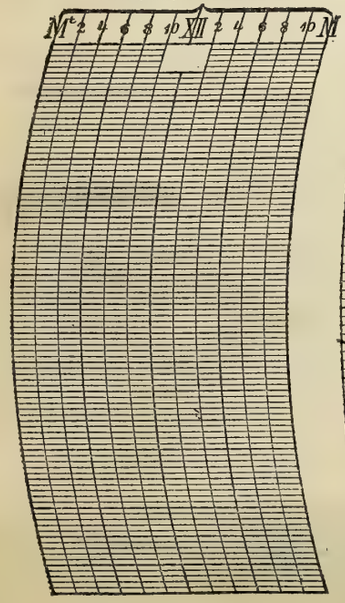
Extreme velocity, 15 – S – 2.35 PM.

Relative humidity, 91 a. m. 93 p. m.

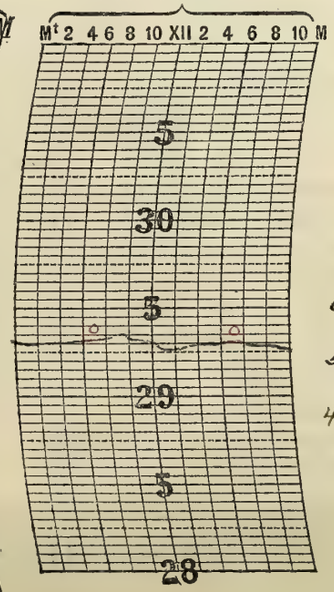
Reduced barometer, 30.25 a. m. 30.25 p. m.

River gage, 10.8 ft.

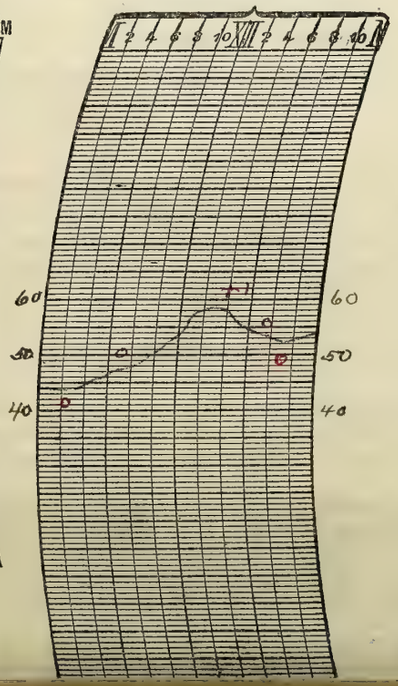
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Streets wet in the morning from night-sweat.

Prepared by J.H.T.C.

Verified by [illegible]

Form No. 1011—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JAN 27 1916, 191

Time (local standard) 7.0 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	55	55	56	56	57	58	59	61	64	65	65
			RB DN					RE 7.10				
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation			—	—	—	—	T	T				
Cloudiness and other conditions	← Cldy									PC		
Sunrise: Time, Character,	6.56 Cloudy											
Sunshine (in tenths of hours)							0	0	0.4	1.0	0.5	0
Wind direction	SE	SE	S	S	S	S	SE	SE	S	S	S	S
Wind movement	10	11	13	10	9	11	14	18	20	26	30	30
Maximum velocities (exceeding 29 miles) direction and time										32 S 9.45	38 S 10.44	37 S 11.22

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	57	57	56	55	54	53	48	44	41	37	35
		RB 1.25				RE 5.45						
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation		—	—	T	T	T						
Cloudiness and other conditions	Cloudy					Cloudy						
Sunset: Time, Character,									4.52 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW
Wind movement	28	24	17	17	15	16	16	16	16	15	16	17
Maximum velocities (exceeding 29 miles) direction and time	34 S 12.28	32 S 1.23										

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
65	35	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .20 ins.; to 7 p. m., .24 ins.

Total precipitation, midnight to midnight, .44 inches.

Character of day, Cloudy Moon phase, Last Quarter 6.35 P.

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 1.9

Possible sunshine, hours, 9.9

Percentage of possible sunshine, 19

Prevailing direction SW.

Total movement, 415

Average hourly velocity, 17.3

Maximum velocity, 38 Direction, S Time. Began 10.44 AM

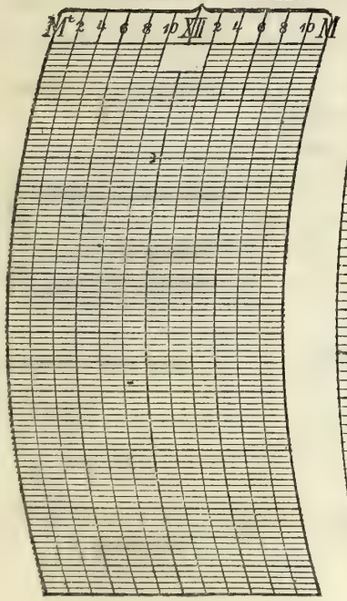
Extreme velocity, 42 - S - 10.44 AM.

Relative humidity, 100 a. m., 96 p. m.

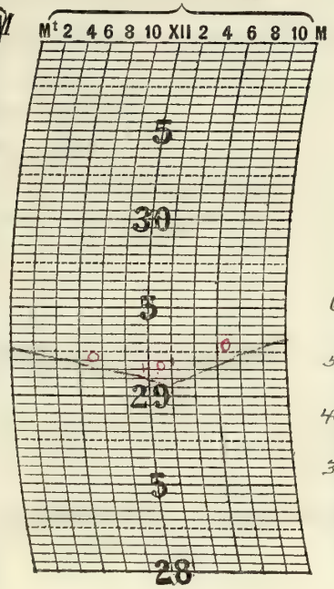
Reduced barometer, 30.09 a. m., 30.16 p. m.

River gage, 9.8 ft.

THERMOGRAPH.



BAROGRAPH.



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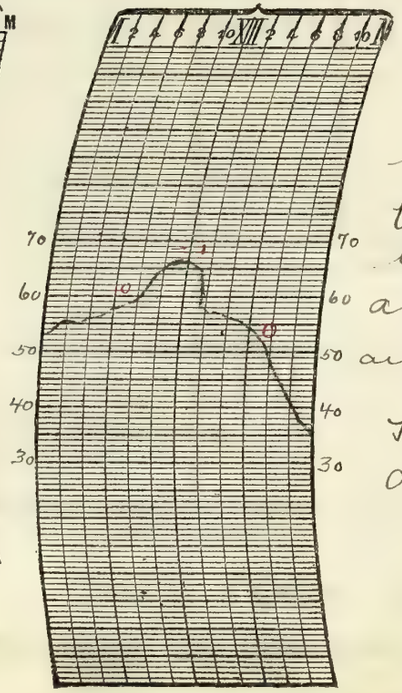


NOTES.

The following warning was received from "C.O." at 9.35 A.M. "Tonight and Friday, much colder with a cold wave." The cold wave flag was hoisted immediately and displayed the remainder of the day and it was also disseminated in the morning forecasts and by phone and press.

High and somewhat gusty winds prevailed during the middle of the day.

Prepared by J.V.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JAN 28 1916 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	33	31	28	27	26	28	28	28	29	30	31	32	32	33	33	32	31	31	30	30	29	29	29
State of weather: Nature of precipitation and time of beginning and ending																				RB 7.15			RE DN	
Amounts of precipitation																				T	T	T	T	
Cloudiness and other conditions							Cloudy								Cloudy									
Sunrise: Time, 6.55 Character, Cloudy																					Sunset: Time, 4.53 Character, Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	SW	SW	W	W	W	W	W	NW	NW	NW	N	N	NW	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	14	15	12	12	11	11	12	9	9	7	7	4	3	4	4	5	9	10	11	14	17	17	17	18
Maximum velocities (exceeding 9 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
35	26	30.5	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.0

Percentage of possible sunshine, 0

Prevailing direction NE

Total movement, 252

Average hourly velocity, 10.5

Maximum velocity, 23 Direction, NE Time. Began 9.32 PM

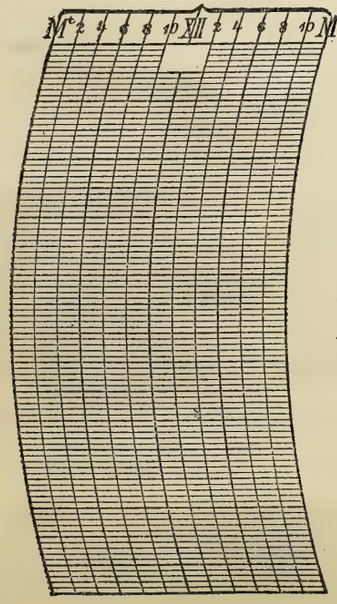
Extreme velocity, 24 NE 9.32 PM

Relative humidity, 74 a. m. 89 p. m.

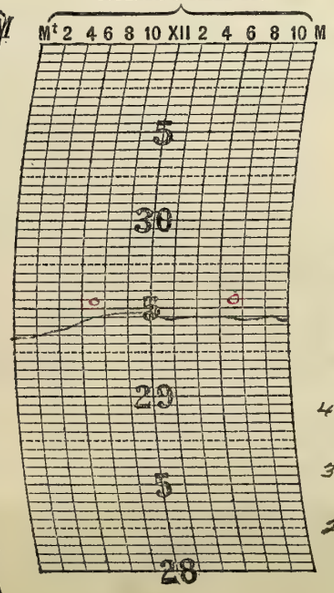
Reduced barometer, 30.40 a. m. 30.41 p. m.

River gage, 11.2 ft

THERMOGRAPH.



BAROGRAPH.



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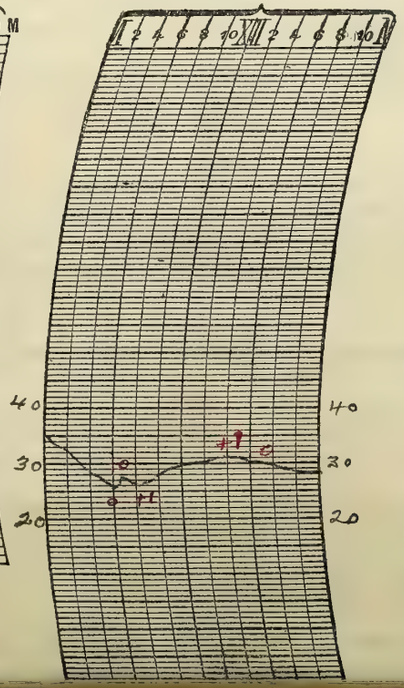


NOTES.

Prepared by J.H.S.

Verified by [illegible]

Form No. 1014—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JAN 29 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	28	28	28	29	30	31	31	31	31	32	32	32	32	32	33	32	32	33	33	33	33	33	34
State of weather: Nature of precipitation and time of beginning and ending				RB DN												RE 3.45	RB 4.30							
Amounts of precipitation				T	T	T	T	T	T	T	T	T	T	–	–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions						Cloudy									Cloudy									
Sunrise: Time, 6.55 Character, Cloudy																					Sunset: Time, 4.54 Character, cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	E	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	18	20	18	16	16	16	17	18	17	13	13	12	12	10	12	13	13	9	9	6	6	6	8	5
Maximum velocities (exceeding ___ miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
34	28	31	

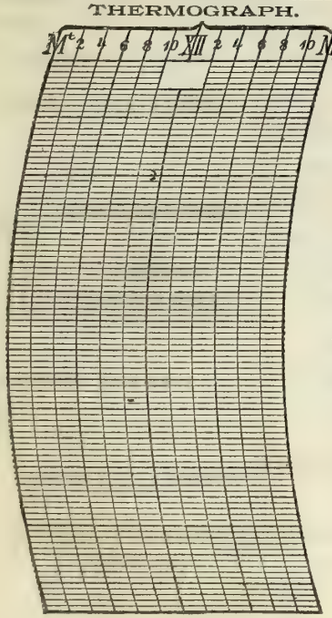
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .16 ins.
Total precipitation, midnight to midnight, .20x inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10) 10
Actual sunshine, hours, 0
Possible sunshine, hours, 10.0
Percentage of possible sunshine, 0
Prevailing direction E
Total movement, 316
Average hourly velocity, 12.8

Maximum velocity,	Direction,	Time.
23	E	Began 1.30 A.M.

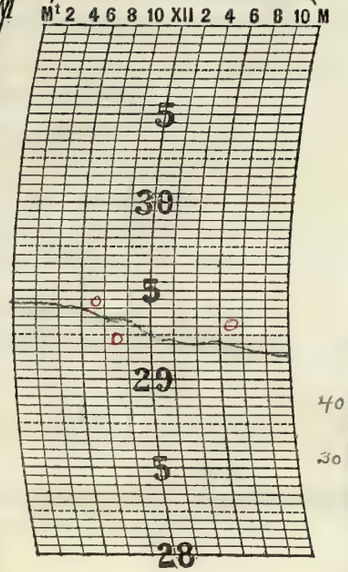
Extreme velocity, 24 – E – 1.30 A.M.
Relative humidity, 100 a. m., 100 p. m.
Reduced barometer, 30.31 a. m., 30.14 p. m.
River gage, 10.8 ft.

x Estimated.

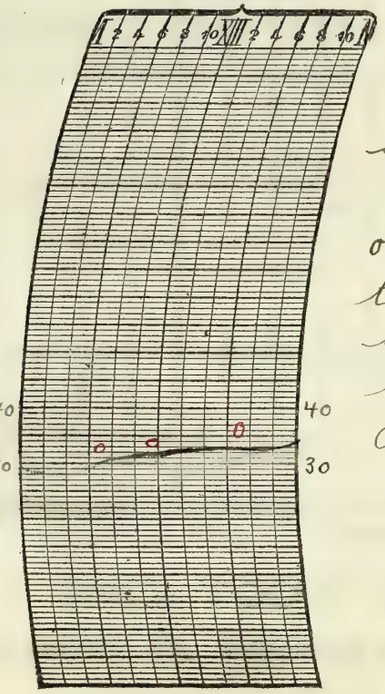
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The rain which fell during the morning and forenoon and afternoon to 1.00 P.M. was in the form of mist.

The mist during the morning froze on objects soon after it fell, and caused the streets and walks to be icy and slippery. Some thawing occurred during the forenoon and by 1.00 P.M. the ice had disappeared from the walks and streets.

Prepared by J.H.T.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 30 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	35	36	36	37	38	40	39	39	38	39	39	39	39	34	39	39	40	39	40	39	39	40	45
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	—	—	—	—	—	—	—	—	T	T	T	T	T	T	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions							Cloudy									Cloudy								
Sunrise: Time, Character,	6.54 Cloudy																				Sunset: Time, Character, 4.55 Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	NE	E	E	W	N	N	NW	NW	NW	NW	NW	NW	N	NE	E	E	NE	NE	NE	NE	E	E	SE
Wind movement	6	4	3	3	3	3	4	6	5	4	4	5	6	5	5	9	6	6	9	10	7	6	4	7
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
45	34	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .64 ins.; to 7 p. m., .47 ins.

Total precipitation, midnight to midnight, 1.75x inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.0

Percentage of possible sunshine, 0

Prevailing direction NE

Total movement, 130

Average hourly velocity, 5.4

Maximum velocity, 14 Direction, NE Time. Began 7.27 PM

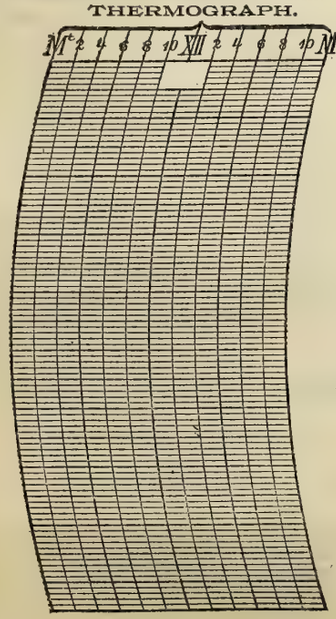
Extreme velocity, 15 - NE — 7.27 PM

Relative humidity, 100 a. m., 100 p. m.

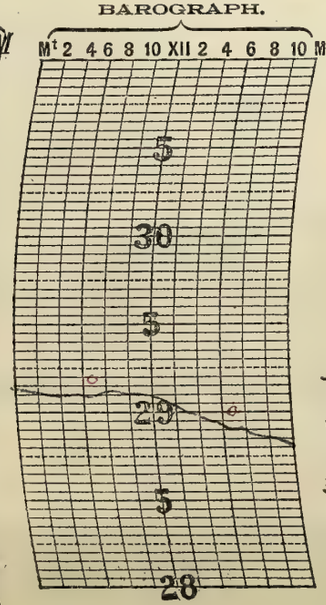
Reduced barometer, 30.02 a. m., 29.84 p. m.

River gage, 11.7 ft.

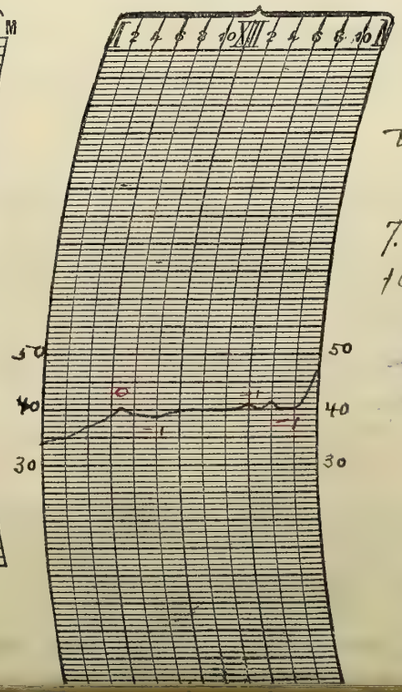
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

x Estimated. ※ Aneno. circuit out of order; estimated.

The rain which fell from 7.30 A.M. to 2.00 P.M. was in the form of mist.

The following flood warning was issued at 7.00 P.M. "Maumee at Fort Wayne 12.5 ft at 10.00 AM: 16.5 ft indicated by Monday."

At 9 P.M. an additional warning was issued — which a stage of 18 feet was forecast for Monday night.

Prepared by HPC.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 31 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	51	53	53	49	46	43	41	39	38	38	37	37	36	36	35	33	32	31	30	26	25	24	23	23
State of weather: Nature of precipitation and time of beginning and ending			RE DN																					
Amounts of precipitation	—	—	—																					
Cloudiness and other conditions							Cloudy						Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	SW	SW	W	SW	SW	SW	SW	W	W	W	W	W	W	W	W	NW	W	W	W	W	NW	W
Wind movement	15	17	13	11	13	12	15	14	14	14	16	14	14	11	12	12	13	13	12	14	12	14	12	12
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.53; Character, Cloudy

Sunset: Time, 4.57; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
53	23	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .70 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 x inches.

Character of day, Cloudy, Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.1

Percentage of possible sunshine, 0

Prevailing direction W

Total movement, 319

Average hourly velocity, 13.3

Maximum velocity,	Direction,	Time.
20	W	Began 10.15 AM.

Extreme velocity, 20 W 10.15 AM

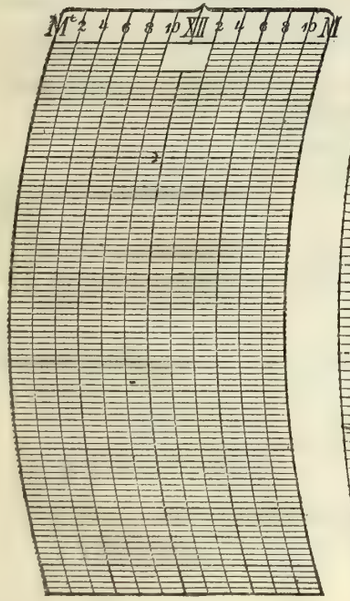
Relative humidity, 86 a. m., 95 p. m.

Reduced barometer, 29.75 a. m., 30.12 p. m.

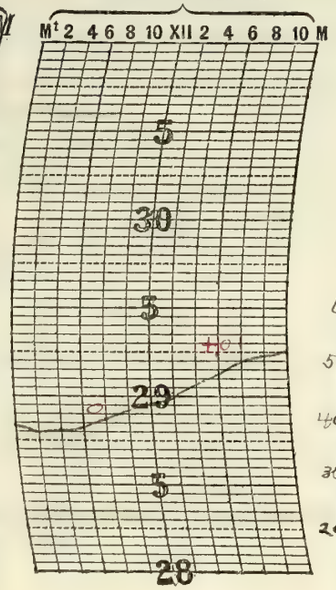
River gage, 18.8 ft

x Estimated

THERMOGRAPH.



BAROGRAPH.



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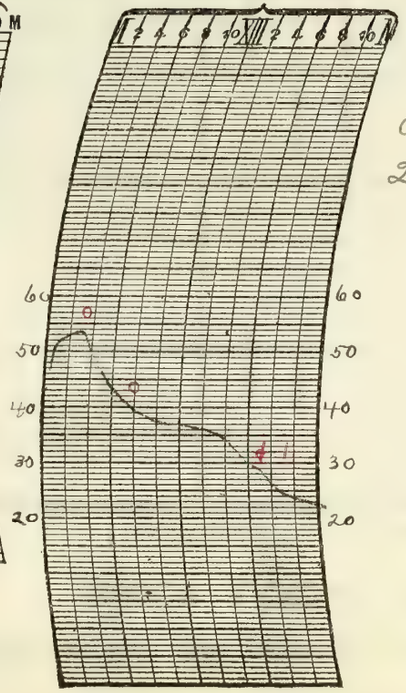


NOTES.

The following flood warning was issued at 7.00 P.M. "Maumee river will reach 21 ft Tuesday."

Prepared by J.H.C.

Verified by J.M.E.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 1 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	20	19	17	15	13	10	9	10	11	13	13	15	16	16	16	15	14	14	12	13	13	13	13
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear							Clear											
Sunshine (in tenths of hours)							13 0	10 0	10	10	10	10	10	07	02	04	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW	N	N
Wind movement	15	16	16	16	15	14	15	18	16	18	16	16	16	16	15	13	10	8	11	8	7	6	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.52 Character, Clear

Sunset: Time, 4.59 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
23	9	16	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 7.4

Possible sunshine, hours, 10.1

Percentage of possible sunshine, 73

Prevailing direction W

Total movement, 312

Average hourly velocity, 13.0

Maximum velocity, 23 Direction, W Time. Began 9.05 AM

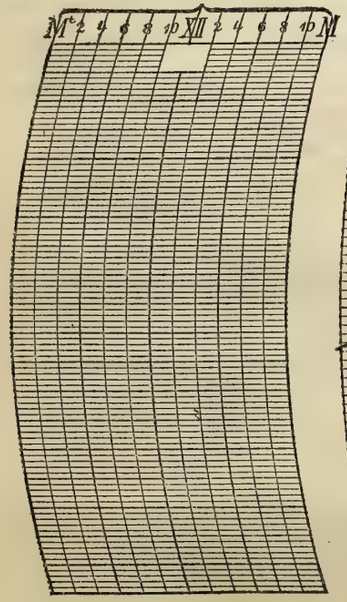
Extreme velocity, 23-W-9.05 AM

Relative humidity, 83 a. m., 52 p. m.

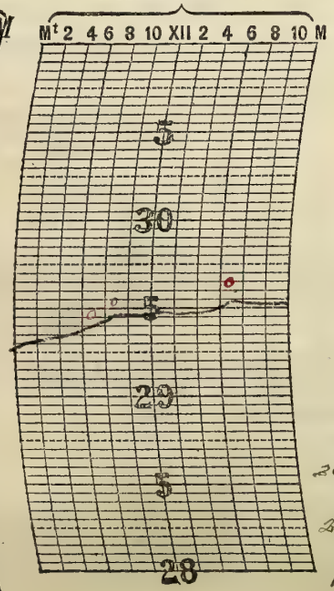
Reduced barometer, 30.37 a. m., 30.50 p. m.

River gage, 20.0 ft

THERMOGRAPH.



BAROGRAPH.



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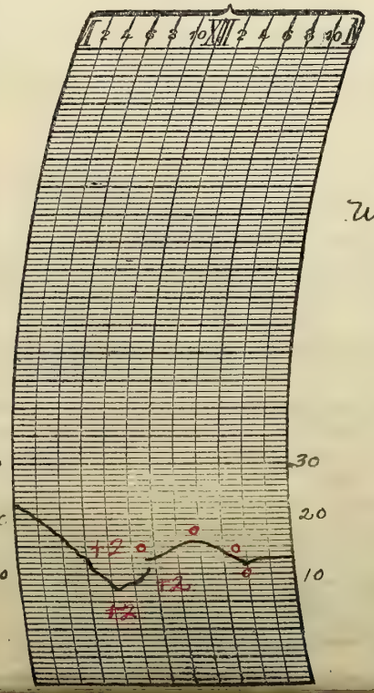


NOTES.

Some St. clouds prevailed during the afternoon.

The day was cold and a cold wave occurred on this date.

Prepared by HRR.

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 2 1916, 191

Time (local standard) 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	14	14	14	14	14	14	14	14	15	15	15	17
State of weather: Nature of precipitation and time of beginning and ending							d SB 6.10 SE 6.15	d SB 7.40		SE 9.40		
Amounts of precipitation							T	T	T	T		
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character,	6.51 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	N	N	N	N	N	NW	N	NE	N	N	N	NW
Wind movement	6	6	7	6	6	5	5	5	6	4	7	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	21	19	19	18	17	17	16	16	15	14	12
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					× Pt Cloudy				→			
Sunset: Time, Character,									4.59 Cloudy			
Sunshine (in tenths of hours)	0.6	0.8	0.5	0.7	0							
Wind direction	W	W	NW	NW	NW	W	W	W	W	W	W	W
Wind movement	6	7	9	9	9	9	10	11	11	10	12	12

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
21	12	16	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 2.6

Possible sunshine, hours, 10.1

Percentage of possible sunshine, 26

Prevailing direction N. W.

Total movement, 183

Average hourly velocity, 7.6

Maximum velocity, 43 Direction, W Time. Began 10.05 PM

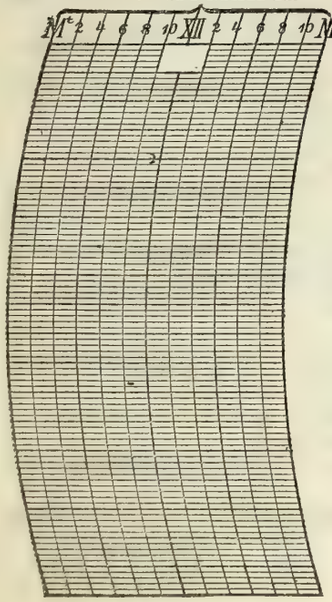
Extreme velocity, 16 W 10.05 P.M.

Relative humidity, 89 a. m., 64 p. m.

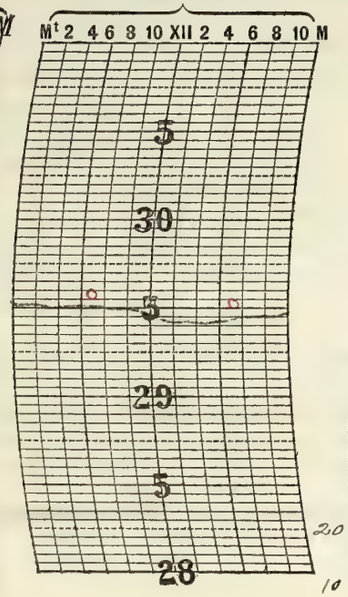
Reduced barometer, 30.47 a. m., 30.40 p. m.

River gage, 20.0 ft

THERMOGRAPH.



BAROGRAPH.



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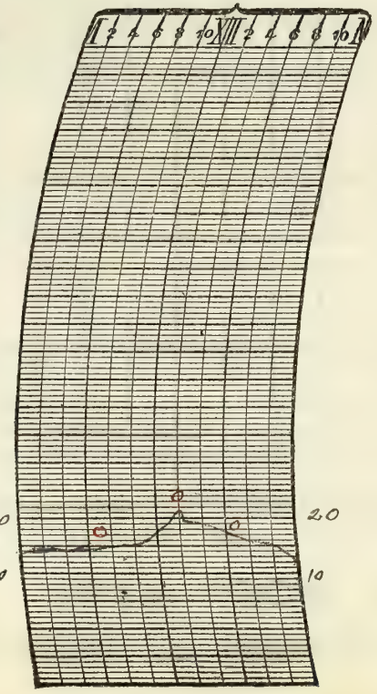


NOTES.

Snow flurries occurred during the forenoon.

St. Clouds prevailed during the afternoon.

Prepared by HFC

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 3 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	11	10	9	8	7	6	8	10	12	14	16	18	20	20	20	19	17	17	15	14	13	12	11	10
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear							Clear							→		
Sunrise: Time, Character,	6.50 Clear																				Sunset: Time, Character, 5.01 Clear			
Sunshine (in tenths of hours)							.17 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.6	1.0 0	.02 0						
Wind direction	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W
Wind movement	13	13	12	15	11	16	13	14	19	18	21	20	23	21	21	21	20	15	17	17	13	14	10	9
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
20	6	13	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase New Moon 10.06.14.

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 10.0

Possible sunshine, hours, 10.2

Percentage of possible sunshine, 98

Prevailing direction W.

Total movement, 386

Average hourly velocity, 16.1

Maximum velocity, 27 Direction, SW Time. Began 12.17 PM

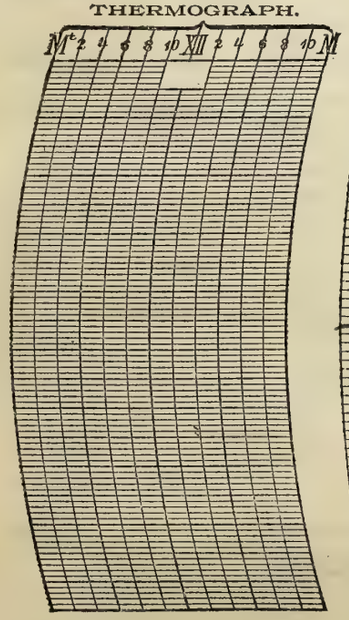
Extreme velocity, 28 SW 12.17 PM

Relative humidity, 81 a. m. 61 p. m.

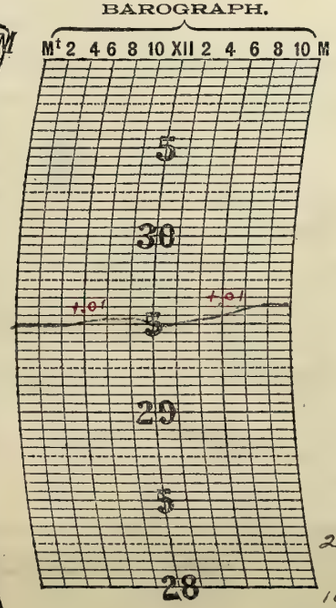
Reduced barometer, 30.50 a. m. 30.56 p. m.

River gage, 18.6 ft.

THERMOGRAPH.



BAROGRAPH.



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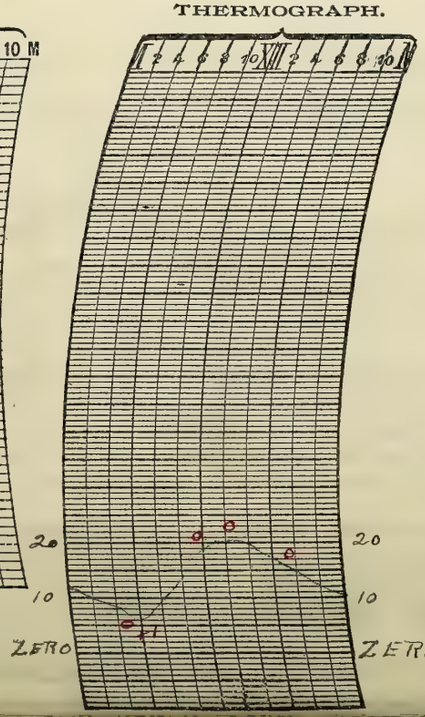


NOTES.

The day was cold with strong and somewhat gusty winds

Prepared by H.F.C.

Verified by [illegible]

8—496

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 4 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	10	10	9	9	8	9	8	11	15	18	20	22	23	23	25	26	27	27	26	25	26	26	26	27
													S 13 12.05					SE 5.45						
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation													—	—	—	—	—	—						
Cloudiness and other conditions					←		Clear		×	P.C.	×		Cloudy											
	Sunrise: Time, 6.49 Character, Clear																				Sunset: Time, 5.02 Character, Cloudy			
Sunshine (in tenths of hours)							.18 0	1.0 0	.04 0.6	1.0	0.5	0	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	SE	SE	SE	SE	SE	SE	SE
Wind movement	9	9	9	8	8	9	8	11	12	12	10	10	10	12	8	7	7	7	8	9	10	11	10	7
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
27	8	18	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 3.7

Possible sunshine, hours, 10.2

Percentage of possible sunshine, 36

Prevailing direction SW

Total movement, 221

Average hourly velocity, 9.2

Maximum velocity, 14 Direction, SW Time. Began 1.00 PM.

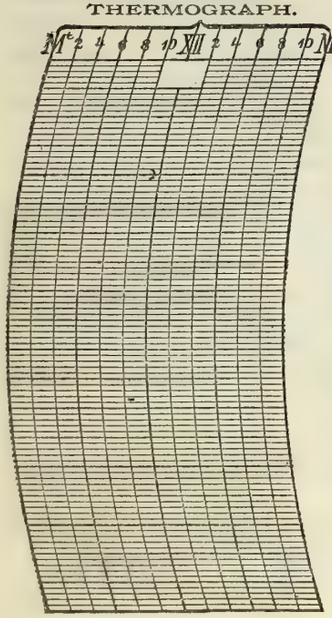
Extreme velocity, 14 SW – 1.00 PM

Relative humidity, 86 a. m., 80 p. m.

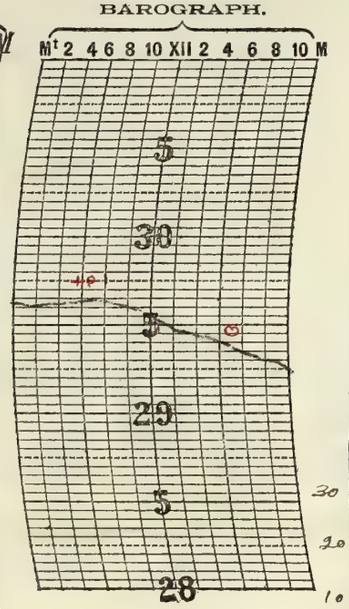
Reduced barometer, 30.62 a. m., 30.36 p. m.

River gage, 16.8 ft

THERMOGRAPH.



BAROGRAPH.



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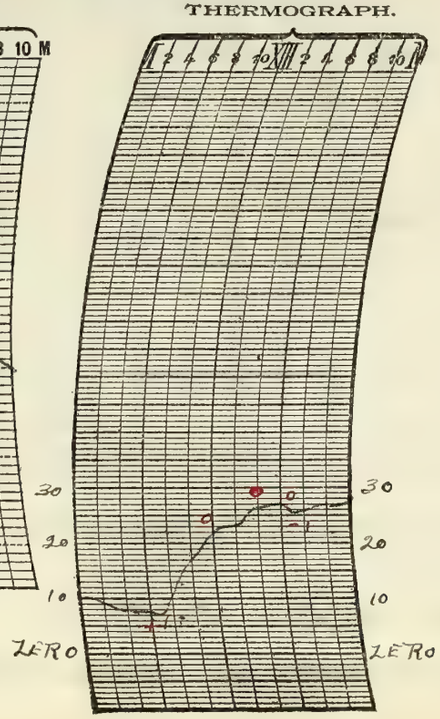


NOTES.

Light snow fell during the afternoon

Prepared by H.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 5 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	28	28	29	31	33	33	33	34	34	31	28	27	27	26	25	24	23	22	22	21	20	20	21
State of weather: Nature of precipitation and time of beginning and ending	d SB 12.20							d SE 7.20																
Amounts of precipitation	—	—	—	—	—	—	—	T																
Cloudiness and other conditions					Cloudy					x Fog	x Fog	x Fog			Cloudy				x Fog	x	Cloudy			

	Sunrise: Time,	Character,	Sunset: Time,	Character,
	6.48	Cloudy	5.03	Cloudy

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0.5	0.4	0	0	0	0	0	0						
Wind direction	S	SE	SE	S	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	SW	SW	W	W	W
Wind movement	10	9	8	10	11	16	17	17	19	19	27	27	23	19	17	14	14	10	8	6	8	7	6	4
Maximum velocities (exceeding 29 miles) direction and time										30 SW 9.52	33 W 10.38	30 SW 11.10	30 SW 12.04											

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

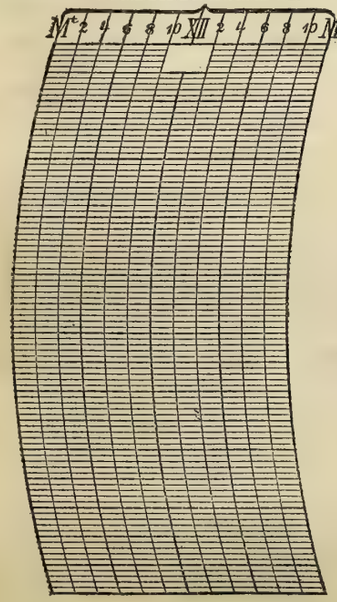
	Maximum.	Minimum.	Mean.	Normal.
	34	20	27	

Total depth of snow for 24 hours ending 7 p. m., 0.6 inches.
Snow on ground 7 p. m., 0.5 inches.
Total snowfall, midnight to midnight, 0.6 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10) 9
Actual sunshine, hours, 0.9
Possible sunshine, hours, 10.2
Percentage of possible sunshine, 9
Prevailing direction W.
Total movement, 326
Average hourly velocity, 13.6

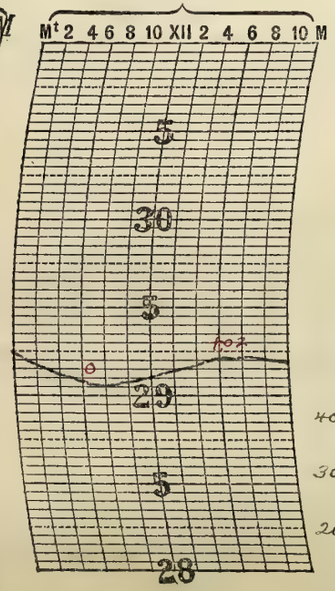
Maximum velocity,	Direction,	Time.
33	W	Began 10.38 A.M.

Extreme velocity, 33 - W - 10.38 A.M.
Relative humidity, 95 a. m. 66 p. m.
Reduced barometer, 30.03 a. m. 30.18 p. m.
River gage, 14.3 ft.

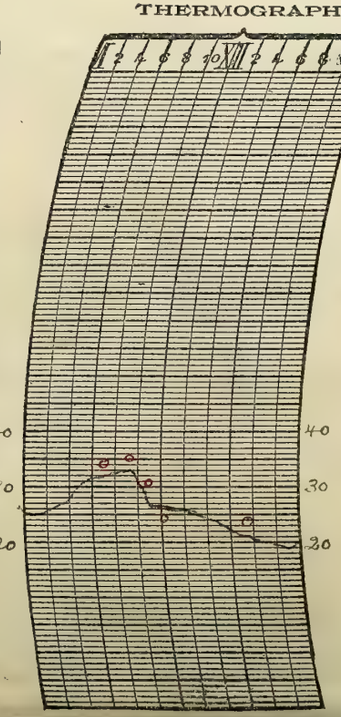
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by J.H.C.
Verified by J.M.E.

8—496

NOTES.

Snow fell during the early morning and some thawing occurred during the day after 9.00 A.M.

Clear skies prevailed from 10.30 A.M. to 11.30 A.M.

Strong and gusty winds prevailed during the middle of the day.

The following warning was received from C.O. at 8.59 A.M. "Fair and colder with a cold wave tonight." The cold wave flag was immediately hoisted and displayed for the remainder of the day. The warning was also disseminated in the morning forecasts, by 'phone and press

Form No. 1014—Met. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 6 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	20	19	20	20	20	21	21	23	24	25	25
Nature of precipitation and time of beginning and ending	d SB DN											d SE 11.30
Amounts of precipitation	—	—	—	—	—	—	—	—	—	T	T	T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6.47 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0.1	0
Wind direction	W	W	W	N	NE	NE	NE	NE	N	N	N	NW
Wind movement	4	3	3	6	3	3	2	3	4	4	4	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	26	27	28	28	27	25	24	21	19	18	17	15
Nature of precipitation and time of beginning and ending					d SB 4.45						d SE DN	
Amounts of precipitation					—	—	—	—	—	—	—	
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character,									5.04 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NW	NW	W	W	SW	W	W	W	SW	W	W	W
Wind movement	7	6	7	7	8	8	14	12	16	17	18	16

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
28	15	22	

Total depth of snow for 24 hours ending 7 p. m., 2.8 inches.

Snow on ground 7 p. m., 2.9 inches.

Total snowfall, midnight to midnight, 2.9 inches.

Precipitation to 7 a. m., .16 ins.; to 7 p. m., .08 ins.

Total precipitation, midnight to midnight, .25 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0.1

Possible sunshine, hours, 10.3

Percentage of possible sunshine, 1

Prevailing direction W

Total movement, 183

Average hourly velocity, 7.6

Maximum velocity, 22 Direction, W Time. Began 9.02 P.M.

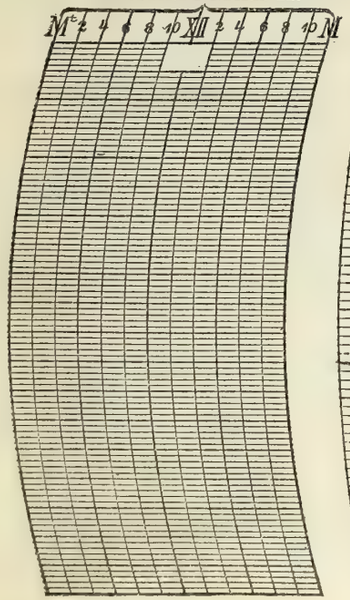
Extreme velocity, 22 – W – 9.02 P.M.

Relative humidity, 93 a. m. 94 p. m.

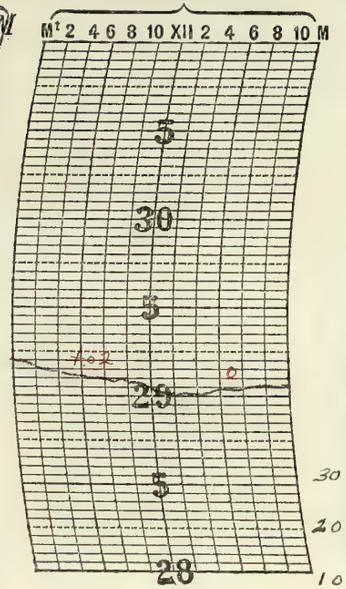
Reduced barometer, 30.07 a. m. 30.00 p. m.

River gage, 11.0 ft

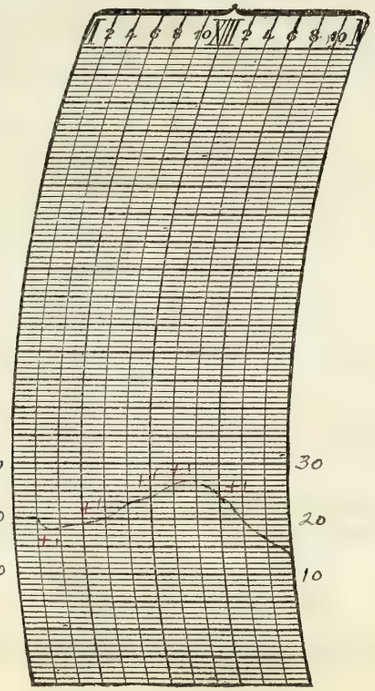
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The snowfall from 9.00 A.M. to 11.30 P.M. was light.

Prepared by J.H.S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 7 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	13	11	10	8	5	4	2	1	2	4	6	8	10	11	11	10	9	9	9	5	2	1	2	3
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Clear					×	Pt Cldy	×			Clear					→	
Sunrise: Time, Character,	6.45 Clear																				Sunset: Time, Character, 5.05 Clear			
Sunshine (in tenths of hours)							.25 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.6	1.0 0	.08 0						
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW	SW
Wind movement	19	23	22	24	23	21	17	15	16	18	18	18	17	19	16	14	12	8	6	8	9	10	10	8
Maximum velocities (exceeding 27 miles) direction and time				30 W 3.23																				

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
15	1	8	

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.

Snow on ground 7 p. m., 2.6 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, — inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 10.1

Possible sunshine, hours, 10.3

Percentage of possible sunshine, 98

Prevailing direction W

Total movement, 371

Average hourly velocity, 15.5

Maximum velocity, 30 Direction, W Time. Began 3.23 A.M.

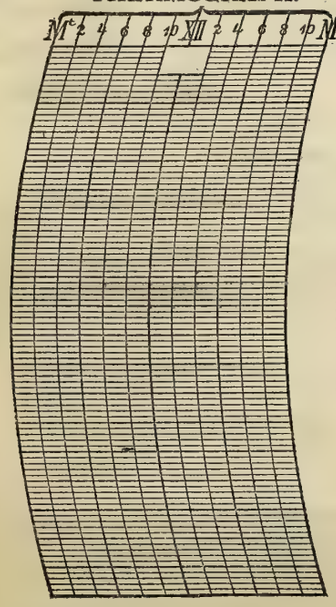
Extreme velocity, 31 — W — 3.23 A.M.

Relative humidity, 82 a. m. 82 p. m.

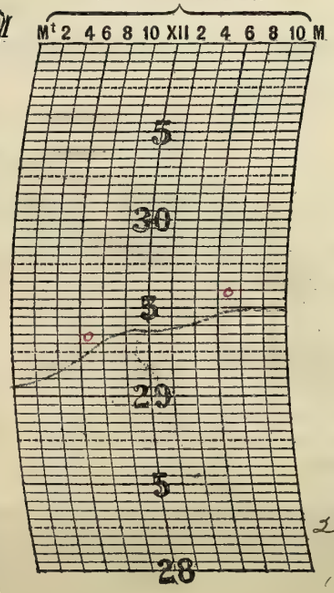
Reduced barometer, 30.25 a. m. 30.47 p. m.

River gage, 6.5 ft

THERMOGRAPH.



BAROGRAPH.



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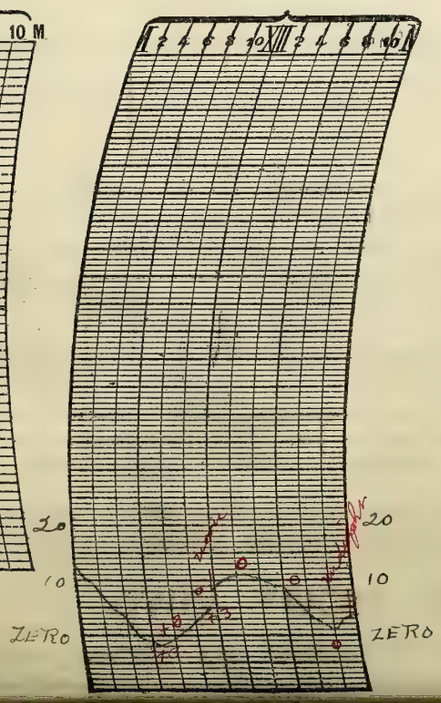


NOTES.

A cold wave occurred on this date

Prepared by NTC.
Verified by J. Ned.

Form No. 1012—Mot 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 8 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	5	4	3	3	3	4	5	7	9	10	11	13	16	18	21	22	28	24	24	25	25	25	26	26
																			RB 6.00					RE DIV
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																			T	T	T	T	T	T
Cloudiness and other conditions					←		Cloudy									Cloudy								
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	SW	SW	SW	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	SW	SW	SW	SW	SW	SW	W
Wind movement	5	3	2	6	6	5	6	7	8	8	6	7	9	9	8	8	9	9	9	13	12	14	14	13

Sunrise: Time, 6.44 Character, Cloudy

Sunset: Time, 5.07 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

! hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
26	3	14	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 25 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.4

Percentage of possible sunshine, 0

Prevailing direction SE

Total movement, 196

Average hourly velocity, 8.2

Maximum velocity, 17 Direction, SW Time. Began 9.45 PM

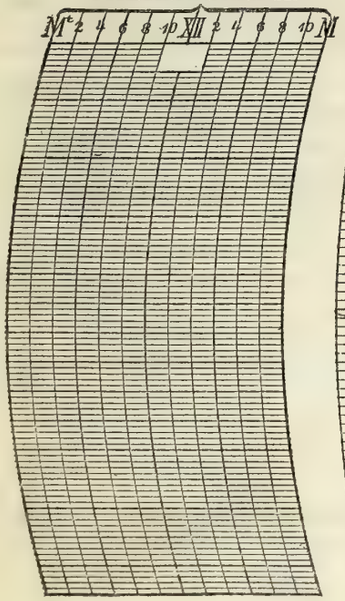
Extreme velocity, 18 - SW - 9.45 P.M.

Relative humidity, 69 a. m. 100 p. m.

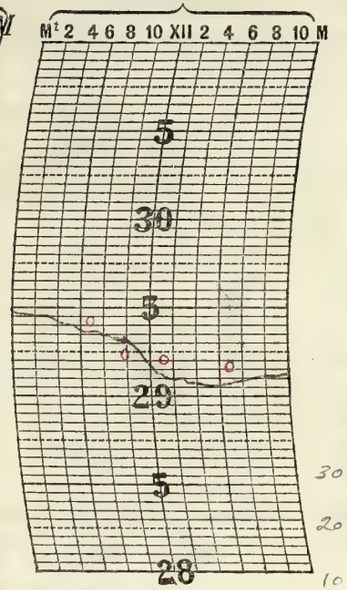
Reduced barometer, 30.34 a. m. 30.03 p. m.

River gage, 4.8 ft.

THERMOGRAPH.



BAROGRAPH.



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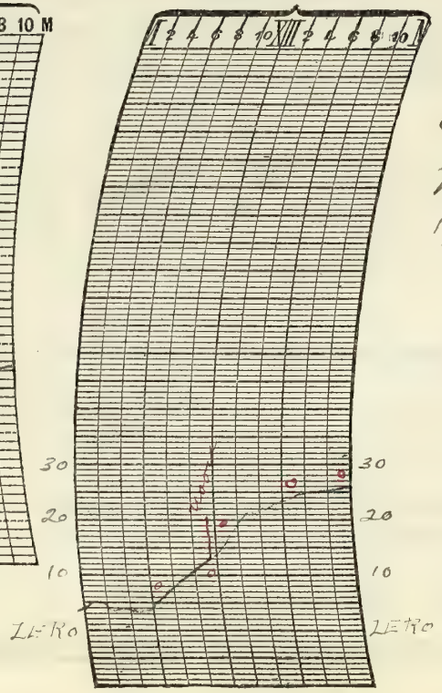


NOTES.

Light mist fell from 6.00 P.M. to D. N. P. and froze on objects soon after it fell making the sidewalks quite slippery. The streets are covered with packed dry snow.

Prepared by J.J.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind. Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 9 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	25	24	24	23	23	23	23	23	24	25	27	28	30	32	32	30	26	24	23	22	21	20	20
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy							Pt Cloudy											
Sunrise: Time, 6.43 Character, Cloudy																					Sunset: Time, 5.08 Character, Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0.3	1.0	0.7	0.6	0	0	0						
Wind direction	W	W	W	W	W	NW	NW	NW	NW	W	SW	SW	W	SW	SW	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	12	11	14	12	10	9	7	6	7	8	8	8	12	13	12	13	12	13	11	13	11	8	8	5
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
32	20	26	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m. 2.0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 2.6

Possible sunshine, hours, 10.4

Percentage of possible sunshine, 25

Prevailing direction NW.

Total movement, 243

Average hourly velocity, 10.1

Maximum velocity, 16 Direction, W Time. Began 2.54 AM

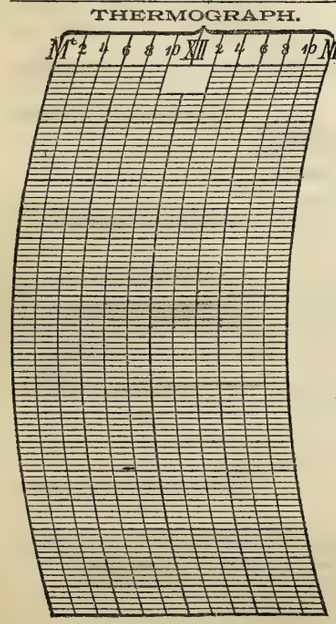
Extreme velocity, 16 - W - 2.54 AM.

Relative humidity, 66 a. m. 81 p. m.

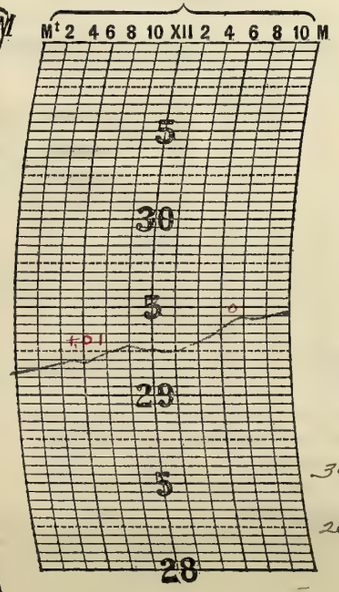
Reduced barometer, 30.17 a. m. 30.37 p. m.

River gage, 4.3 ft.

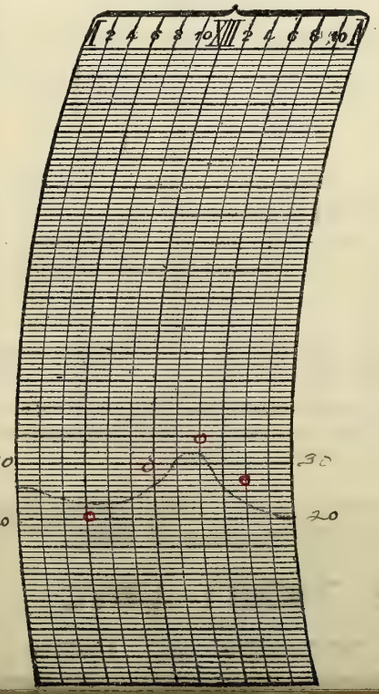
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some thawing occurred during the day.

Prepared by HTC.

Verified by PMC.

Form No. 1012—M5M.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 10 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	20	20	19	20	19	19	20	21	22	24	26	26	27	27	29	27	27	27	27	26	26	26	26
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Cloudy										→ Cloudy									
Sunrise: Time, Character,	6.42 Cloudy																				Sunset: Time, Character, 5.09 Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0.1	0.1	0	0	0	0	0						
Wind direction	NW	W	W	NW	SW	NW	NW	SW	SW	S	S	SW	S	SW	W	NW	NW	NW	N	N	N	E	E	E
Wind movement	5	5	6	4	4	5	4	3	6	8	9	8	7	6	5	5	4	3	4	4	3	4	4	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	29	19	24	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 14 inches.

Total snowfall, midnight to midnight, ~~14~~ 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, First Quarter 4.24 P.

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.2

Possible sunshine, hours, 10.4

Percentage of possible sunshine, 2

Prevailing direction NW.

Total movement, 121

Average hourly velocity, 5.0

Maximum velocity,	Direction,	Time.
11	S	Began 10.22 AM

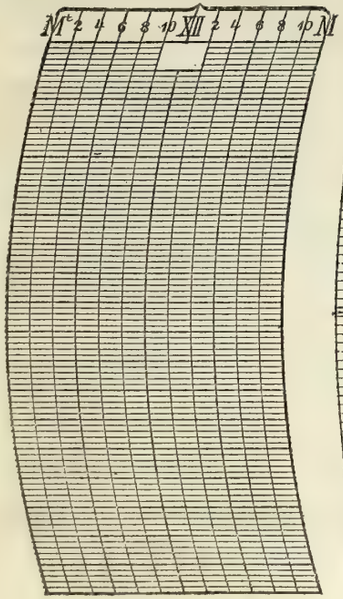
Extreme velocity, 11 - S - 10.22 AM.

Relative humidity, 72 a. m., 66 p. m.

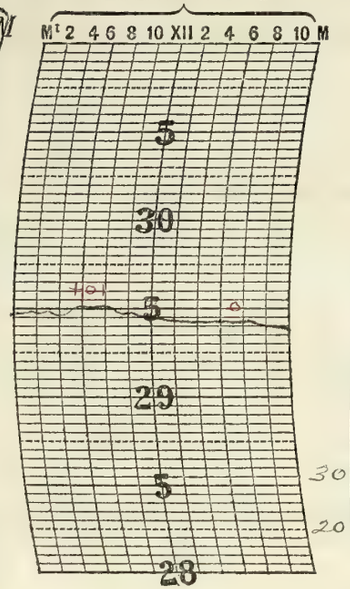
Reduced barometer, 30.48 a. m., 30.40 p. m.

River gage, 4.3 ft.

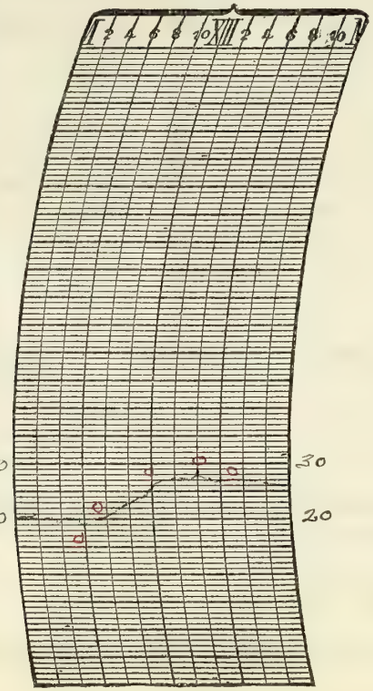
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some thawing occurred during the day.
The sun shone for a short interval at Noon.

Prepared by H.F.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 11 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	26	25	25	25	25	25	24	25	30	35	40	43	44 41	39	37	35	33	32	32	30	28	27	26	24
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy									Cloudy								
Sunshine (in tenths of hours)							0	0	0	0	0	1.0	0.2	0	0	0	0	0						
Wind direction	E	E	E	E	E	E	E	E	SE	S	SW	SW	W	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	7	5	6	5	5	4	5	4	9	6	4	5	6	9	9	7	8	11	13	13	14	13	12
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.41 Character, Cloudy

Sunset: Time, 5.10 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
44	24	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 9

Actual sunshine, hours, 1.2

Possible sunshine, hours, 10.5

Percentage of possible sunshine, 11

Prevailing direction NE

Total movement, 186

Average hourly velocity, 7.8

Maximum velocity, 17 Direction, NE Time. Began 7.45 PM

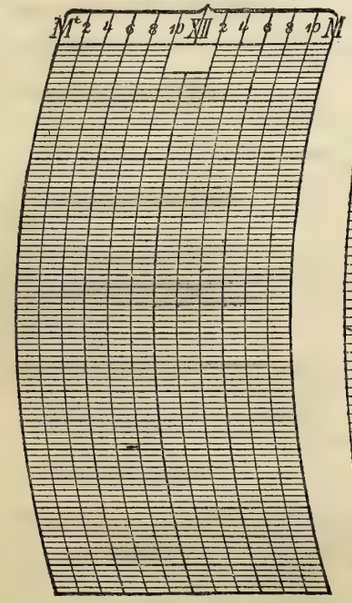
Extreme velocity, 17-NE-7.45 PM

Relative humidity, 93 a. m., 79 p. m.

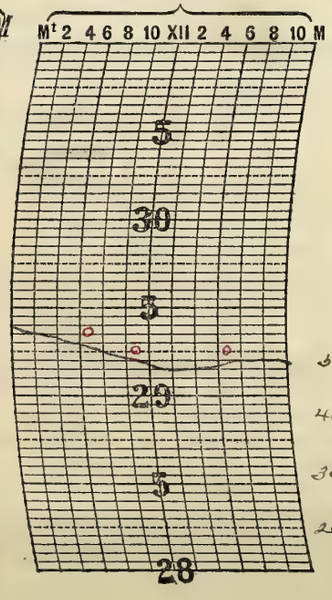
Reduced barometer, 30.25 a. m., 30.14 p. m.

River gage, 4.7 ft

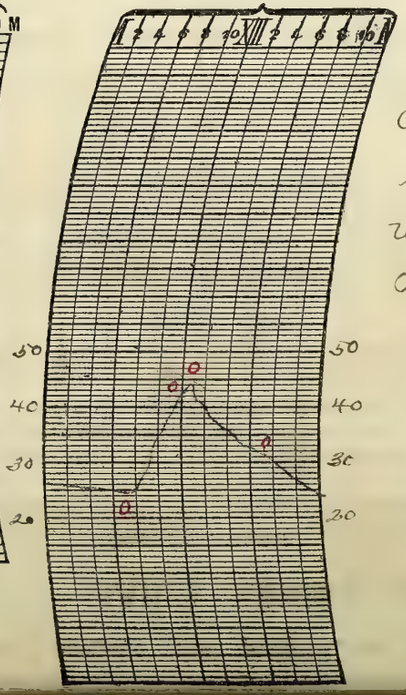
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Much thawing occurred during the day. The streets were wet from melting snow and ice during the day and were icy and slippery after 7.00 P.M. A. Cu. clouds prevailed from 10.30 to 2.00 P.M.

Prepared by JHTC.

Verified by [illegible]

Form No. 1012—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 12 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	24	24	24	23	23	23	23	23	22	22	22	23	22	23	24	23	24	23	24	23	22	22	21	19
State of weather: Nature of precipitation and time of beginning and ending											S 13 10.00 RE 11.00								d. S 13 6.30		d. SE DR			
Amounts of precipitation											T								T	T	T			
Cloudiness and other conditions							Cloudy								Cloudy									
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	NE	NE	N
Wind movement	12	11	13	12	13	12	12	13	15	15	14	14	14	13	13	14	12	13	13	14	16	18	16	17
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.39 Character, Cloudy

Sunset: Time, 5.12 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
24	19	22	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.6

Percentage of possible sunshine, 0

Prevailing direction NE.

Total movement, 329

Average hourly velocity, 13.7

Maximum velocity,	Direction,	Time.
22	NE	Began 9.05 PM.

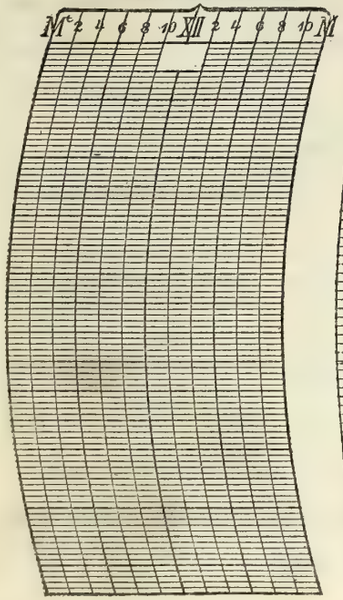
Extreme velocity, 22 - NE - 9.05 PM.

Relative humidity, 87 a. m., 94 p. m.

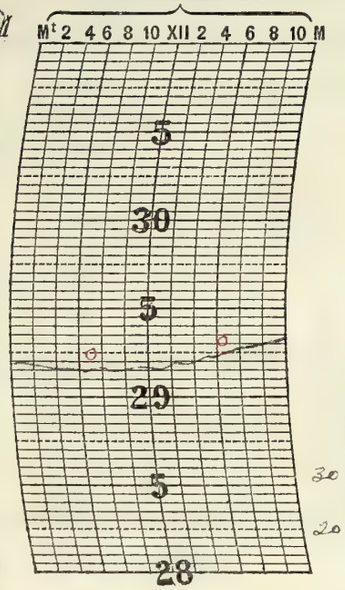
Reduced barometer, 30.09 a. m., 30.22 p. m.

River gage, 14.5 ft

THERMOGRAPH.



BAROGRAPH.



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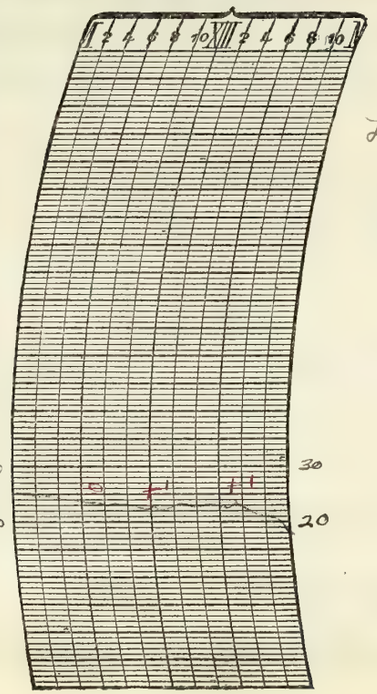


NOTES.

Light mist fell during part of the forenoon.
Light snow fell in the evening.

Prepared by J.T.Q.
Verified by F.M.C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 13 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	18	17	16	15	14	14	14	14	15	15	16	17	19	19	18	18	16	15	14	12	10	9	8	7
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				Cloudy				x P.Cy			Clear			x Pt Cldy				x		Clear				
Sunshine (in tenths of hours)							0	0.2	1.0	1.0	1.0	1.0	1.0	0.4	0.5	0.4	0.1	0						
Wind direction	N	N	NE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	NE	NE	NE
Wind movement	18	14	15	15	15	13	13	14	16	15	16	14	13	12	11	12	10	8	8	8	9	7	8	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.38; Character, Cloudy

Sunset: Time, 5.13; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
19	7	13.5	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 6.6

Possible sunshine, hours, 10.6

Percentage of possible sunshine, 62

Prevailing direction N

Total movement, 294

Average hourly velocity, 12.2

Maximum velocity,	Direction,	Time.
23	NE	Began 10.02 AM

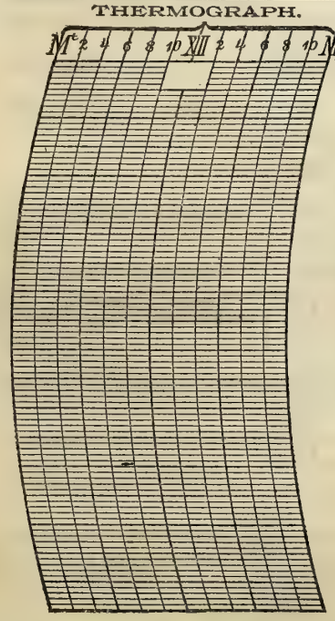
Extreme velocity, 23 NE 10.02 AM

Relative humidity, 85 a. m. 78 p. m.

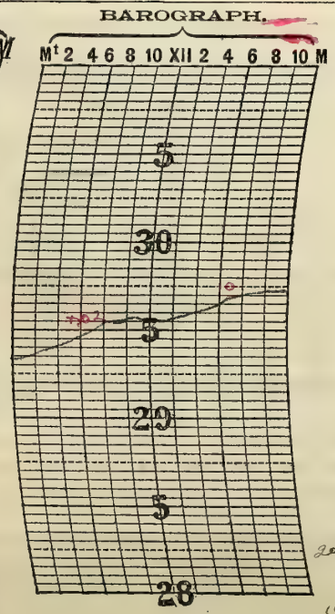
Reduced barometer, 30.49 a. m. 30.68 p. m.

River gage, 4.4 ft.

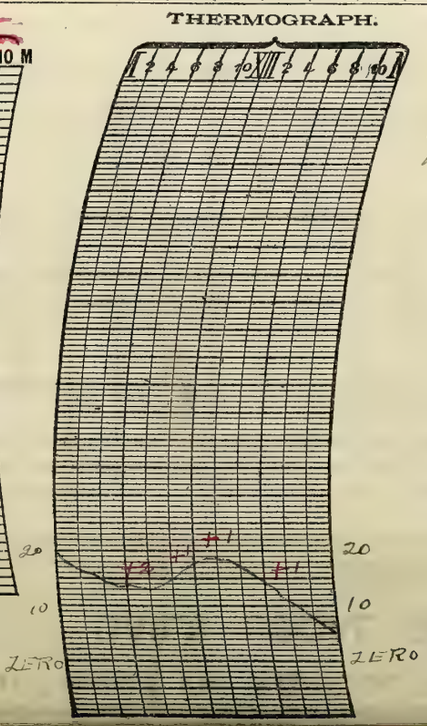
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The clouds began to break up at 7.30 A.M., clear at 7.50 A.M.
The day was cold.

Prepared by HTC.
Verified by FMCE.

8—486

Form No. 1014—Met. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 14 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	6	6	6	5	5	5	5	9	12	14	18	21	23	24	25	24	23	22	22	20	19	18	17	17
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear							Clear									
Sunshine (in tenths of hours)							.38 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9 0.1	.23 0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	SE	SE	S	S	SW	S	S	SW	S	S	S	S	S	S	SW	SW
Wind movement	6	6	5	5	2	3	2	3	4	6	6	6	7	7	8	7	7	9	8	8	9	8	9	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.37; Character, Clear

Sunset: Time, 5.14; Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	25	-5	15	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) Few

Actual sunshine, hours, 10.6

Possible sunshine, hours, 10.6

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 150

Average hourly velocity, 6.2

Maximum velocity, 12 Direction, SW Time. Began 11.32 P.M.

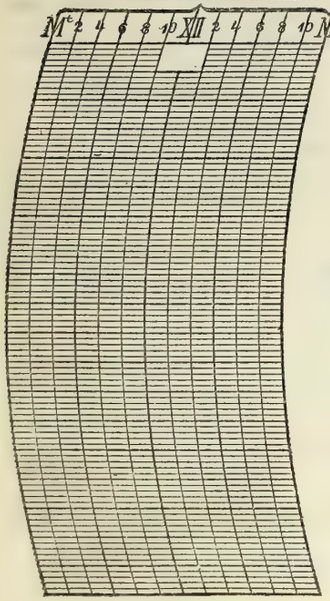
Extreme velocity, 12 SW 11.32 P.M.

Relative humidity, 89 a. m., 61 p. m.

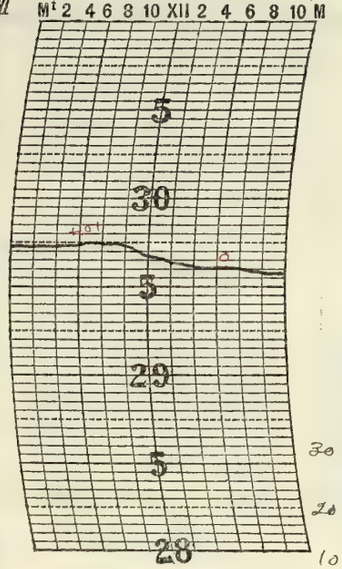
Reduced barometer, 30.74 a. m., 30.58 p. m.

River gage, 3.6 ft.

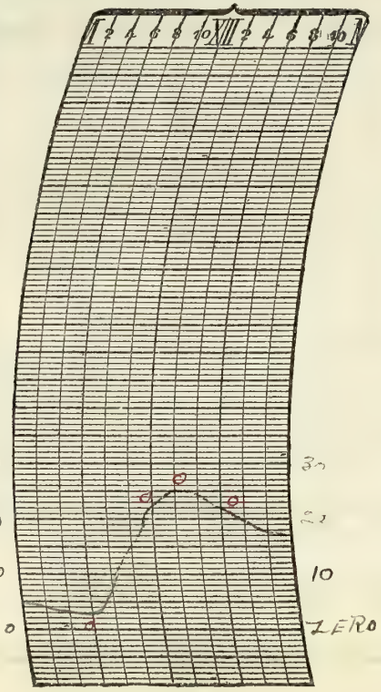
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Few Ci. St. Clouds prevailed during the afternoon.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 15 1916, 191

Time (local standard), 75 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	17	17	17	17	18	18	18	19	23	26	28	30	31	33	33	34	33	32	31	28	26	25	24	22
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Cloudy		×				Pt.	Cloudy					×	Clear					→
Sunshine (in tenths of hours)							0	0	0.7	1.0	1.0	1.0	1.0	1.0	0.8	0.5	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	10	10	9	9	10	11	10	12	11	11	9	10	10	10	10	8	7	6	8	10	11	9	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6.35; Character, Cloudy

Sunset: Time, 5.15; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	34	17	25.8	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 7.0

Possible sunshine, hours, 10.7

Percentage of possible sunshine, 65

Prevailing direction SW.

Total movement, 227

Average hourly velocity, 9.5

Maximum velocity,	Direction,	Time.
15	SW	Began 8.26 A.M.

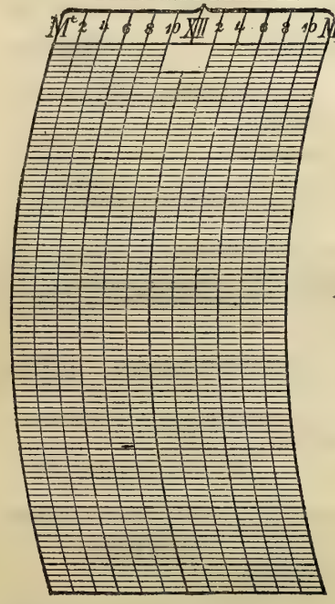
Extreme velocity, 15 – SW – 8.26 A.M.

Relative humidity, 89 a. m. 74 p. m.

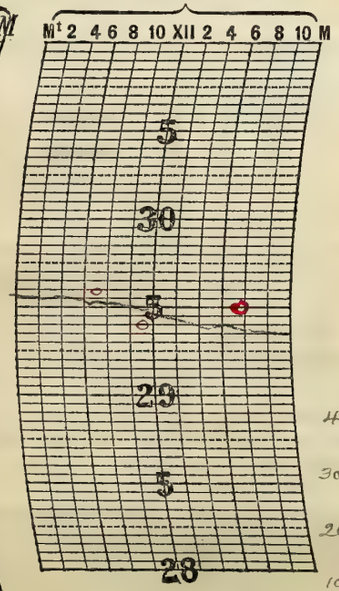
Reduced barometer, 30.48 a. m. 30.35 p. m.

River gage, 3.6 ft.

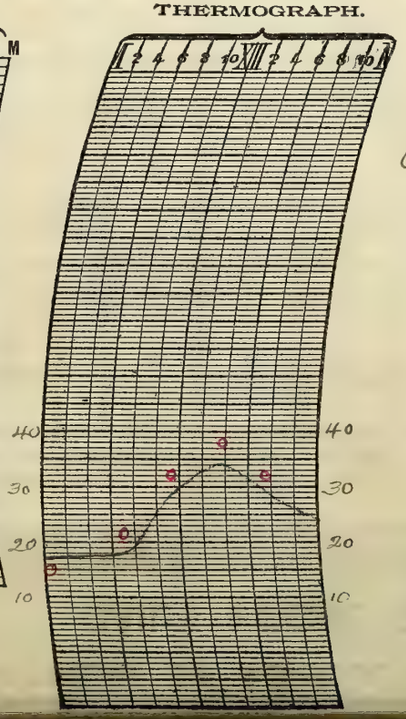
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. St. clouds prevailed during the day after 9.00 A.M.

Prepared by J.H.S.

Verified by

8—186

Form No. 1111 Rev.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 16 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	22	21	21	18 20	20	23	24	27	34	39	42	44	46	45	45	43	40	39	38	37	36	35	35
State of weather: Nature of precipitation and time of beginning and end																								
Amounts of precipitation																								
Cloudiness and other conditions						← Pt. Cloudy							Pt. Cloudy						→ Clear					
Sunshine (in tenths of hours)							0	0	0.4	1.0	1.0	1.0	1.0	1.0	0.5	0.7	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	8	11	9	11	11	10	12	15	15	18	19	19	19	19	16	15	15	14	11	11	9	9	8

Sunrise: Time, 6.34 Character, Cloudy

Sunset: Time, 5.16 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
46	18	32.1	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 6.6

Possible sunshine, hours, 10.7

Percentage of possible sunshine, 62

Prevailing direction SW

Total movement, 313

Average hourly velocity, 13.0

Maximum velocity, 24 Direction, SW Time. Began 2.10 P.M.

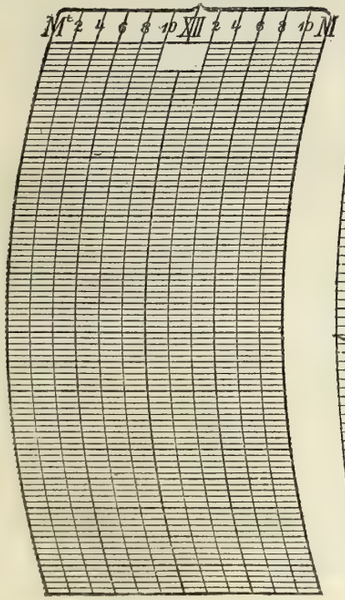
Extreme velocity, 24 - SW - 2.10 P.M.

Relative humidity, 74 a. m. 81 p. m.

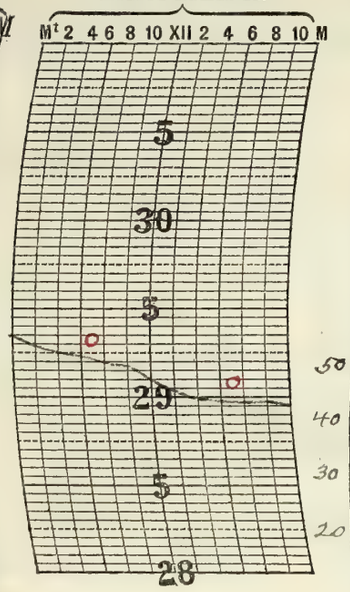
Reduced barometer, 30.17 a. m. 29.93 p. m.

River gage, 3.5 ft

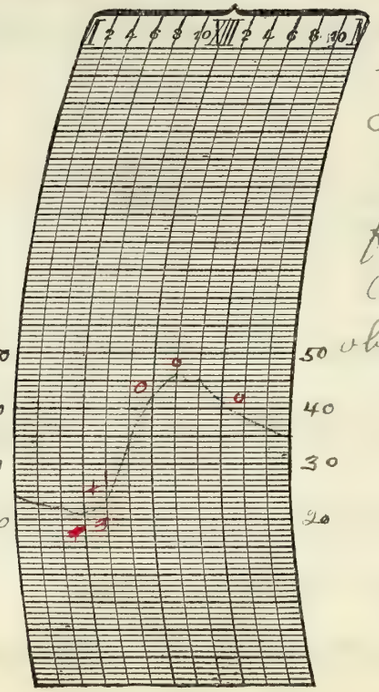
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. St. clouds were observed during the day after 9.30 A.M.

The remaining snow disappeared from the ground during the day.

A faint lunar halo of 22° arc was observed from 7.30 P.M. to 8.30 P.M.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 17 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	34	33	32	32	31	30	33	35	37	41	42	44	43	44	43	41	39	39	39	36	35	36
State of weather: Nature of precipitation and time of beginning and ending															RR 2.25		RR 4.10							
Amounts of precipitation															T	T	T							
Cloudiness and other conditions							← Fog		* Cloudy						Cloudy									→
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0.1	0	0	0	0						
Wind direction	W	W	W	W	W	NW	NW	NW	N	N	NE	NE	SW	NW	NW	SW	SW	SW	SW	NW	SW	SW	SW	SW
Wind movement	1	5	4	2	3	0	1	0	1	1	1	2	4	5	5	3	7	6	4	3	5	8	9	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.33; Character, Cloudy

Sunset: Time, 5.18; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

	Maximum.	Minimum.	Mean.	Normal.
Temperature	44	30	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 1

Possible sunshine, hours, 10.8

Percentage of possible sunshine, 1

Prevailing direction SW

Total movement, 112

Average hourly velocity, 4.7

Maximum velocity, 11 Direction, SW Time. Began 10:56 P.M.

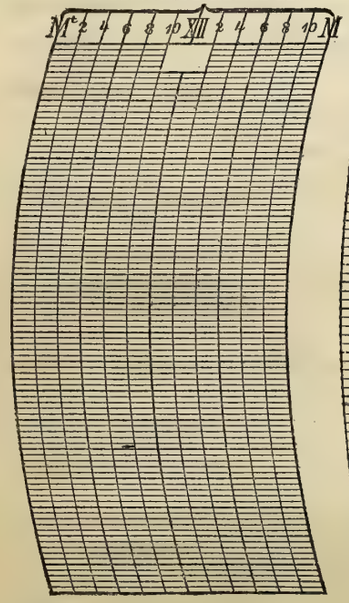
Extreme velocity, 11 - SW - 10.56 P.M.

Relative humidity, 95 a. m. 92 p. m.

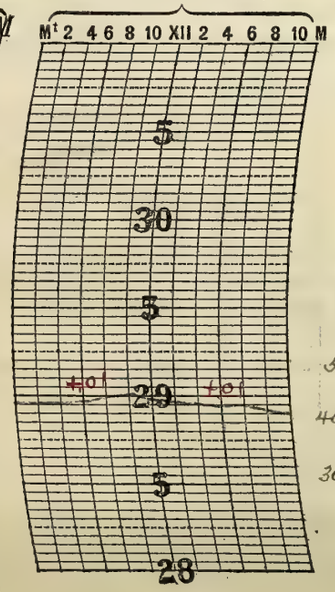
Reduced barometer, 29.94 a. m. 29.90 p. m.

River gage, 3.74

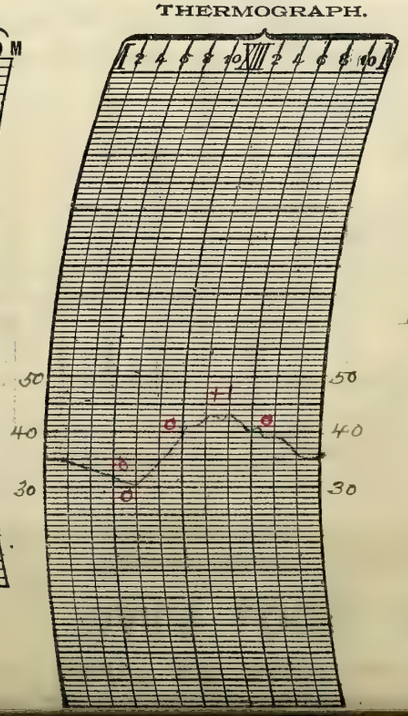
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense fog prevailed from 5.30 A.M. to 6.30 A.M. and light fog from 6.30 A.M. to 7.30 A.M.

Rain fell at intervals during the afternoon from 2.20 P.M. to 4.40 P.M.

Prepared by HPC.

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 18 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	38	37	35	35	36	36	36	35	36	31
State of weather: Nature of precipitation and time of beginning and ending					RB DN	RE 5.50					SB 10.00 SE 10.50	SB 11.30
Amounts of precipitation					T	T						
Cloudiness and other conditions							Cloudy					
Sunrise: Time, Character,	6.31 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	W	W	W	NW	NW	NW	NW	NW	W	W	NW
Wind movement	10	10	11	11	13	10	13	10	13	16	15	20
Maximum velocities (exceeding 29 miles) direction and time												30 NW 11.38

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	25	23	22	21	20	19	17	17	16	16	16
State of weather: Nature of precipitation and time of beginning and ending				SB 3.30								
Amounts of precipitation												
Cloudiness and other conditions			Cloudy				Cloudy					
Sunset: Time, Character,									5.19 Cloudy			
Sunshine (in tenths of hours)	0	0	6.1	0.3	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	21	28	29	26	17	23	21	16	14	11	8	5
Maximum velocities (exceeding 29 miles) direction and time	30 NW 12.41	30 NW 1.15	34 NW 2.57	31 NW 3.45	33 NW 4.23							

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	38	16	27.1	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, Full Moon 8.29 P

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 0.4

Possible sunshine, hours, 10.8

Percentage of possible sunshine, 4

Prevailing direction NW

Total movement, 382

Average hourly velocity, 15.9

Maximum velocity,	Direction,	Time.
34	NW	Began 2.37 P.M.

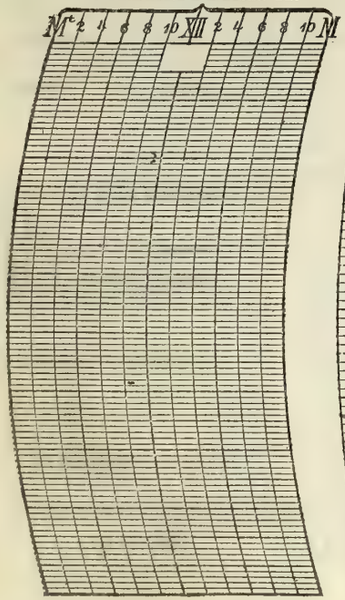
Extreme velocity, 36 NW 2.38 P.M.

Relative humidity, 87 a. m. 82 p. m.

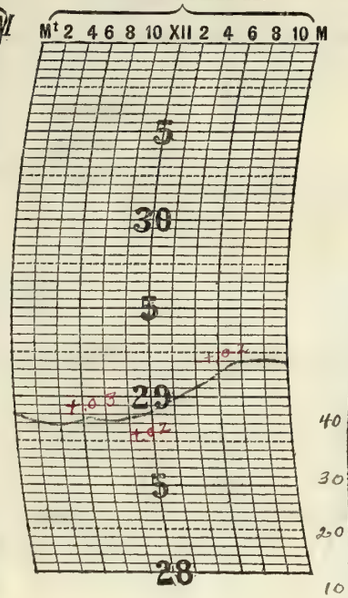
Reduced barometer, 29.82 a. m. 30.14 p. m.

River gage, 3.8 ft

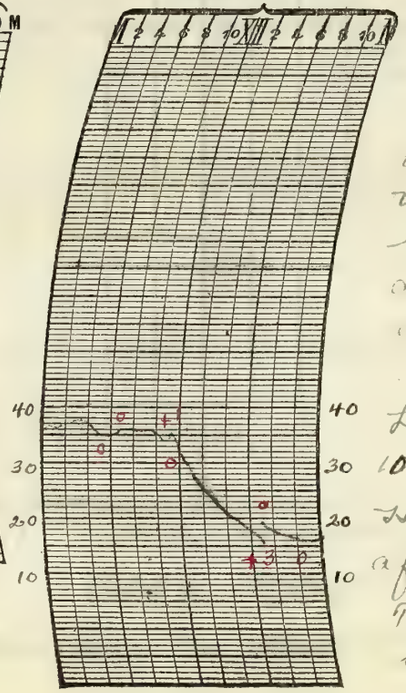
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received at 9.15 A.M. from "C.O." "cold wave, temperature will fall twenty five degrees or more with northwest gales during tonight." The cold wave flag was hoisted immediately and displayed the remainder of the day, and it was also disseminated in the morning forecasts in the press and by phone.

Light snow fell at intervals from 10.00 A.M. to 10.50 A.M. and from 11.00 A.M. to 3.00 P.M.

Light and gusty winds prevailed during the afternoon and evening and the forenoon after 11.00 A.M.

The sun shone at intervals through openings in the clouds during the afternoon after 1.00 P.M.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 19 1916 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	17	18	18	19	19	19	19	21	23	25	27	29	30	31	31	32	32	32	32	31	32	32	32	32
State of weather: Nature of precipitation and time of beginning and ending										L SB 9.30				d SL 1.10	L									
Amounts of precipitation										T	T	T	T	T										
Cloudiness and other conditions								Cloudy						Cloudy					P.C.	Cloudy				

Sunrise: Time, 6.30 Character, Cloudy

Sunset: Time, 5.20 Character, Cloudy

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)							0	0	0	0	0	0	0.2	0	0	0	0	0						
Wind direction	NW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	W	W	SW	SW	S	S	S	SW
Wind movement	4	3	7	10	11	13	13	12	15	16	15	12	13	15	11	10	9	4	4	5	6	8	8	9
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
32.	16.	24.	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 1 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 0.2

Possible sunshine, hours, 10.8

Percentage of possible sunshine, 2

Prevailing direction SW

Total movement, 234

Average hourly velocity, 9.8

Maximum velocity,	Direction,	Time.
18	SW	Began 10.16 A.M.

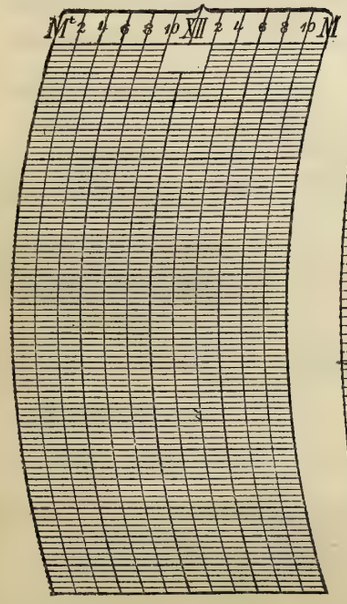
Extreme velocity, 20 SW — 10.16 A.M.

Relative humidity, 85 a. m. 78 p. m.

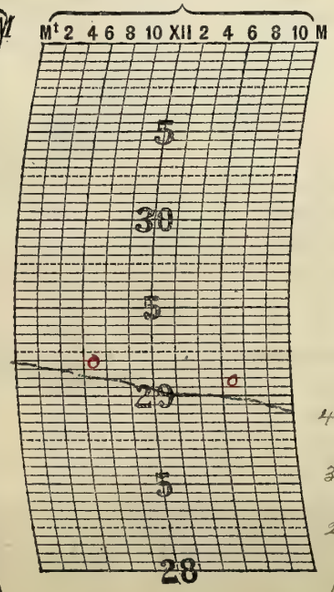
Reduced barometer, 30.07 a. m. 29.94 p. m.

River gage, 3.37 ft.

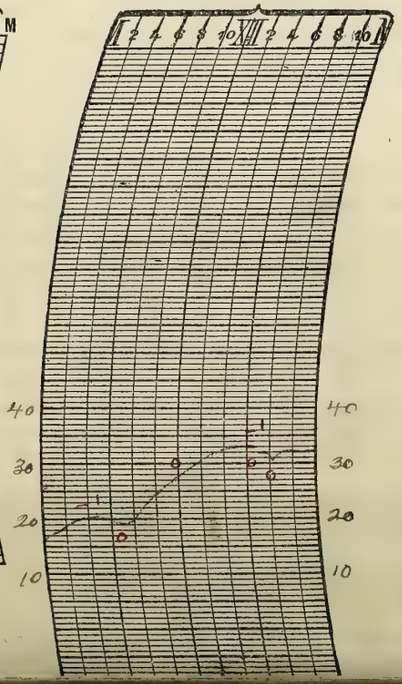
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light snow fell from 9.30 A.M. to 1.10 P.M.

Prepared by H.F.C.

Verified by

Form No. 1011—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 20 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	34	35	35	34	34	36	36	36	37 (38)	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear	× P.C.	×	Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	SW	SW	SW	SW	SW	SW	W	W	W	NW
Wind movement	6	10	11	12	12	11	12	12	11	11	11	10

Sunrise: Time, 6.29 Character, Cloudy

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	32	32	33	33	33	33	31	30	27	23	20
State of weather: Nature of precipitation and time of beginning and ending		RR 1.00	/	RE 3.30	/							
Amounts of precipitation		T	T	T								
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NW	NW	N	N	NW	NW	N	N	N	N	NE	NE
Wind movement	12	11	7	8	7	6	7	6	8	13	17	13

Sunset: Time, 5.21 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
38	20	29	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 0

Possible sunshine, hours, 10.9

Percentage of possible sunshine, 0

Prevailing direction SW.

Total movement, 244

Average hourly velocity, 10.2

Maximum velocity, 23 Direction, NE Time. Began 10.22 PM

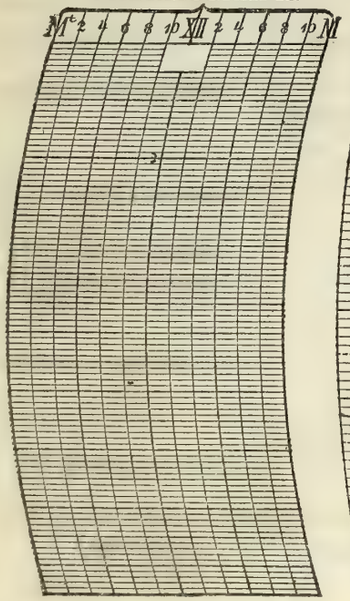
Extreme velocity, 24 - NE - 10.22 PM.

Relative humidity, 86 a. m. 87 p. m.

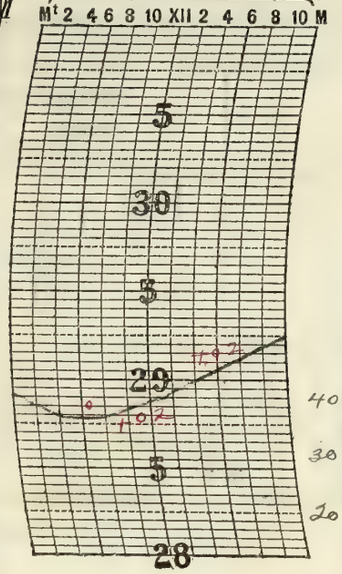
Reduced barometer, 29.72 a. m. 30.07 p. m.

River gage, 3.2 ft.

THERMOGRAPH.



BAROGRAPH.



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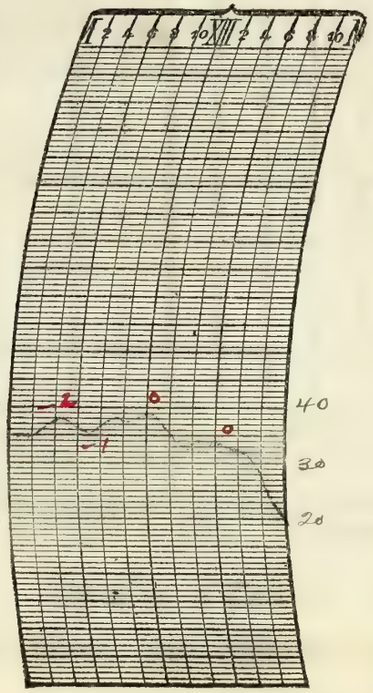


NOTES.

Some thawing occurred during the day.
Light rain occurred at intervals during the afternoon.

Prepared by HTC.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 21 1916 . 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	16	15	14	15	16	17	17	19	20	22	24	27	29	30	32	31	31	31	31	30	30	29	29	30
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←		Cloudy			×		Pt Cldy	×			Clear								→
Sunshine (in tenths of hours)							0	0.2	0.7	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.7 / 0.3	.37 / 0						
Wind direction	NE	NE	NE	NE	NE	NE	E	E	E	E	E	NE	NE	NE	NE	NE	NE	SE	SE	SE	SE	SE	SE	SE
Wind movement	14	12	11	10	9	8	9	11	9	9	8	7	9	9	9	10	8	5	7	7	9	8	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.27 Character, Cloudy

Sunset: Time, 5.22 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	34.2	21	27.2	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 9.4

Possible sunshine, hours, 10.9

Percentage of possible sunshine, 86

Prevailing direction SE

Total movement, 211

Average hourly velocity, 8.8

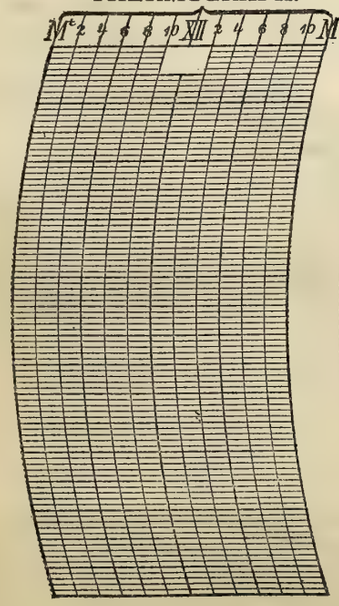
Maximum velocity,	Direction,	Time.
18	NE	Began 12.14 A.M.
Extreme velocity, 18	NE	12.14 A.M.

Relative humidity, 84 a. m. 85 p. m.

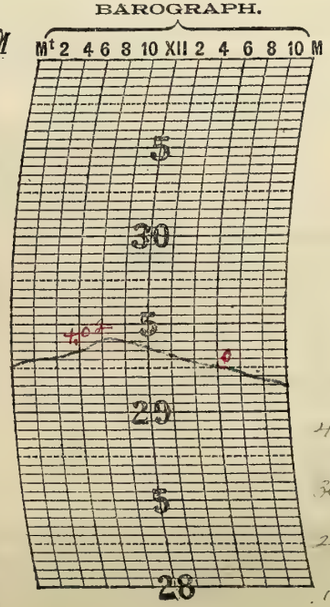
Reduced barometer, 30.35 a. m. 30.20 p. m.

River gage, 3.8 ft.

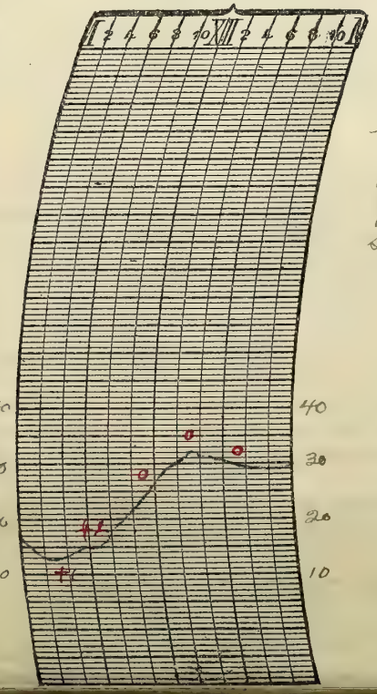
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. and St. clouds prevailed during the forenoon and St. clouds during part of the afternoon until 3.00 P.M. when the sky became cloudless.

Prepared by H.T.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	29	30	31	31	32	33	37	43	45	49	52	54	55	56	55	55	54	52	48	50	47	45	44
State of weather: Nature of precipitation and time of beginning and ending																				RB 7.03 RE 7.10				
Amounts of precipitation																				T				
Cloudiness and other conditions					←			Clear			×		Pt. Cloudy				×		Cloudy					→
Sunshine (in tenths of hours)							.57 0	1.0 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	0.9	0	0	0						
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	N	NE	N	N	N
Wind movement	8	7	6	5	5	7	6	10	8	8	10	7	11	13	14	10	6	2	2	4	3	5	6	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.26; Character, Clear

Sunset: Time, 5.24; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
56	29	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 8.5

Possible sunshine, hours, 11.0

Percentage of possible sunshine, 77

Prevailing direction SW.

Total movement, 171

Average hourly velocity, 7.1

Maximum velocity, 16 Direction, S Time. Began 2.01 PM

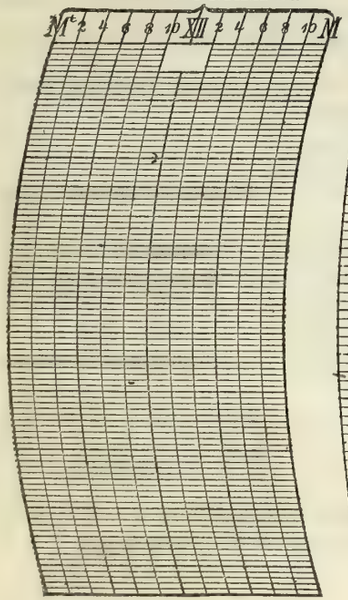
Extreme velocity, 17 S 2.01 PM

Relative humidity, 85 a. m., 84 p. m.

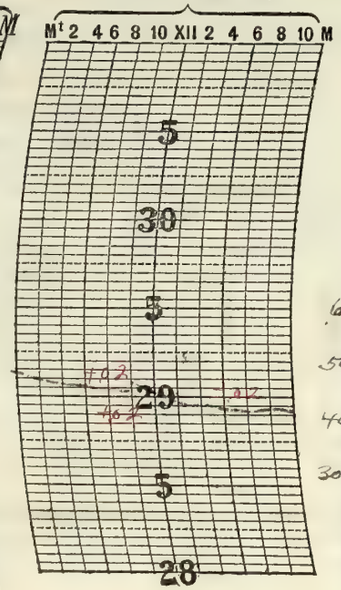
Reduced barometer, 30.02 a. m., 29.83 p. m.

River gage, 4.0 ft.

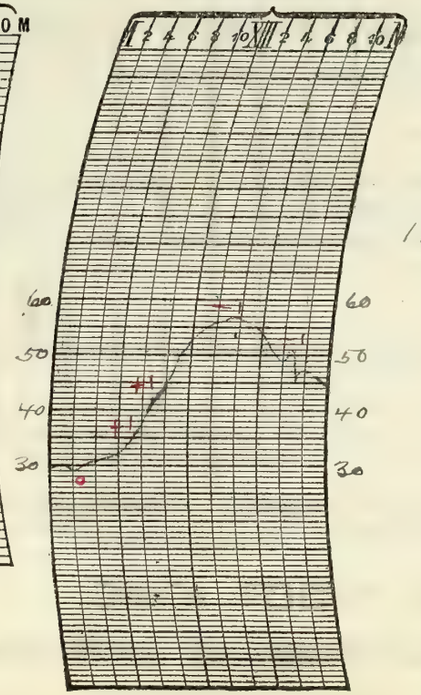
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Considerable haze prevailed during the day.

Thunder was heard from 8.50 P.M. to 11.50 P.M.

The day was rather pleasant.

Prepared by J. F. C.

Verified by C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) FEB 23 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	38	37	36	35	35	35	35	35	34	34	33	34	36	37	38	38	36	34	33	32	30	29	28
State of weather: Nature of precipitation and time of beginning and ending	RB DN	RE DN																						
Amounts of precipitation	.07	.07																						
Cloudiness and other conditions						← Cloudy							Cloudy				Clear				Cldy →			
Sunrise: Time, Character,	6.24 Cloudy																							
Sunset: Time, Character,																					5.25 Clear			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0.2	0.4	0						
Wind direction	NE	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	8	9	13	15	13	14	17	17	17	16	16	13	15	12	13	14	11	11	13	12	8	8	10
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
44	28	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .14 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .14 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 1.6

Possible sunshine, hours, 11.0

Percentage of possible sunshine, 15

Prevailing direction NE

Total movement, 304

Average hourly velocity, 12.7

Maximum velocity,	Direction,	Time.
19	NE	Began 8.45 AM

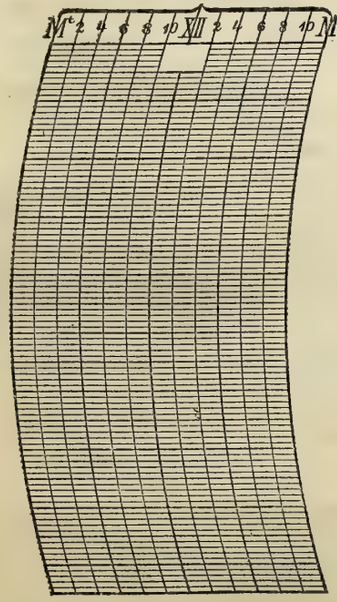
Extreme velocity, 20 – NE – 8.45 AM

Relative humidity, 95 a. m., 81 p. m.

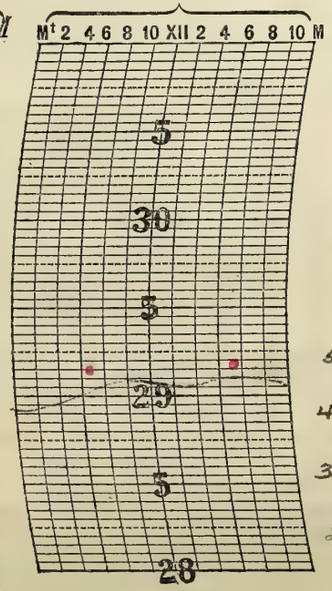
Reduced barometer, 29.95 a. m., 30.02 p. m.

River gage, 4.2 ft

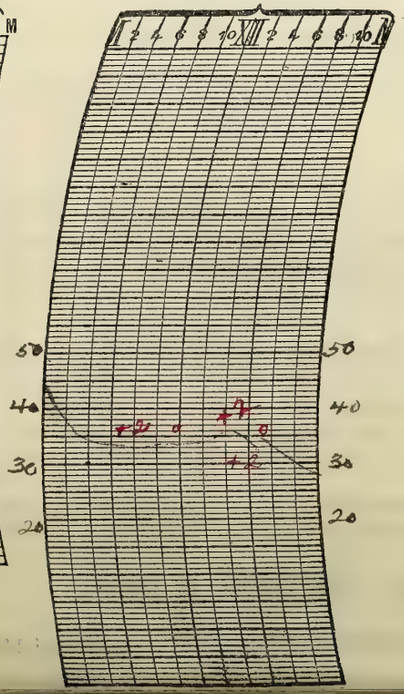
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

+ hourly Amounts estimated: T.B. Gage not in use

Prepared by J.G.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) FEB 24 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	28	28	28	28	28	28	28	28	29	31	33	36	39	41	41	40	39	38	38	37	36	35	35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy						× P.C.	× Clear					Clear						→
Sunshine (in tenths of hours)		1					0	0	0	0	0	1.0	1.0	1.0	1.0	1.0	0.6 .04	.43 0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	N	NE	NE	N	NW	NW	NW	NW	NW	NW	NW	W	W	W	NW	NW
Wind movement	12	11	10	9	10	8	8	7	7	5	4	5	6	7	8	6	4	5	5	4	6	8	11	11
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.23 Character, Cloudy

Sunset: Time, 5.26 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	41	28	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 6.4

Possible sunshine, hours, 11.0

Percentage of possible sunshine, 58

Prevailing direction NE

Total movement, 180

Average hourly velocity, 7.5

Maximum velocity, 45 Direction, NE Time. Began 12.34 A.M.

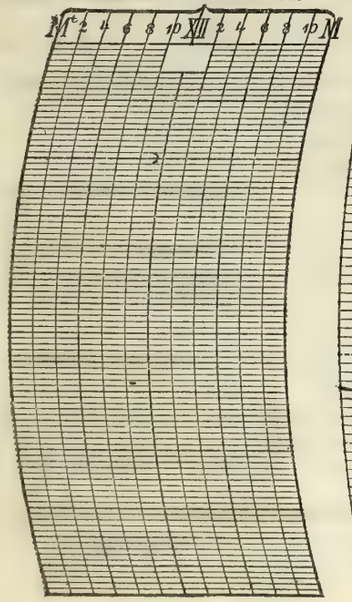
Extreme velocity, 45 NE 12.34 A.M.

Relative humidity, 87 a. m., 69 p. m.

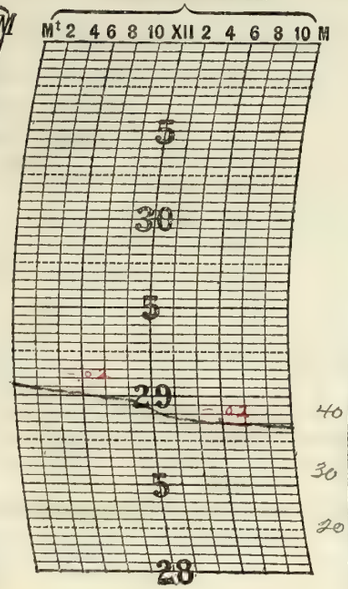
Reduced barometer, 29.92 a. m., 29.76 p. m.

River gage, 6.1 ft.

THERMOGRAPH.



BAROGRAPH.



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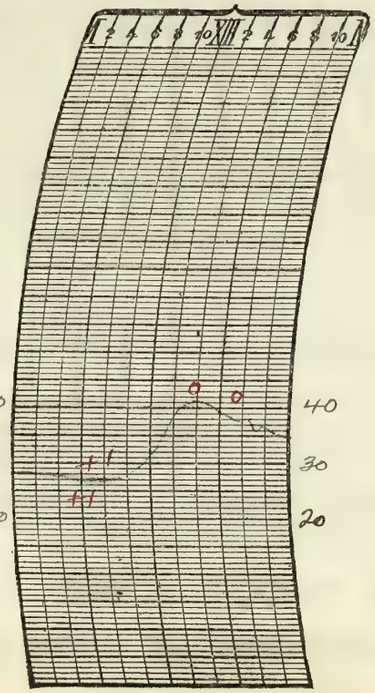


NOTES.

Prepared by J.L.F.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) FEB 25 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	35	35	34	34	34	34	33	32	31	30	30	29	29	28	28	27	27	26	26	26	26	26	26	25
State of weather: Nature of precipitation and time of beginning and ending										d SN 9:15												d SI DN		
Amounts of precipitation										T	T	T	T	T	T	T	T	T	T	T	T	T		
Cloudiness and other conditions						← Cloudy									Cloudy									→
Sunrise: Time, 6.21 Character, Cloudy																								
Sunset: Time, 5.27 Character, Cloudy																								
Sunshine (in tenths of hours)		1					0	0	0	0	0	0	0	0	0	0	0	0				1		
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	W	W
Wind movement	11	11	15	15	14	13	15	16	15	19	19	21	20	16	16	17	17	15	14	15	14	15	13	12
Maximum velocities (exceeding 25 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
35	25	30	

Total depth of snow for 24 hours ending 7 p. m., 1 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, ✓

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 11.1

Percentage of possible sunshine, 0

Prevailing direction NW

Total movement, 368

Average hourly velocity, 15.3

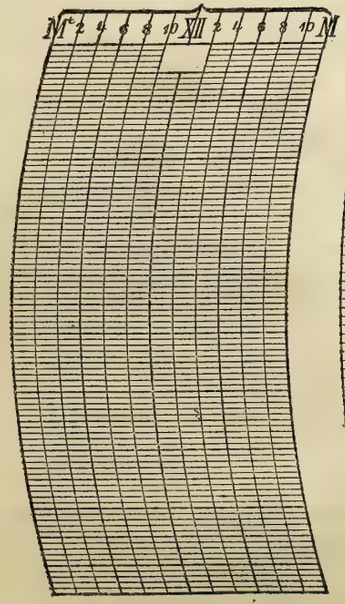
Maximum velocity,	Direction,	Time.
25	NW	Began 10.53 AM
Extreme velocity, 26	NW	10.54 AM

Relative humidity, 80 a. m. 78 p. m.

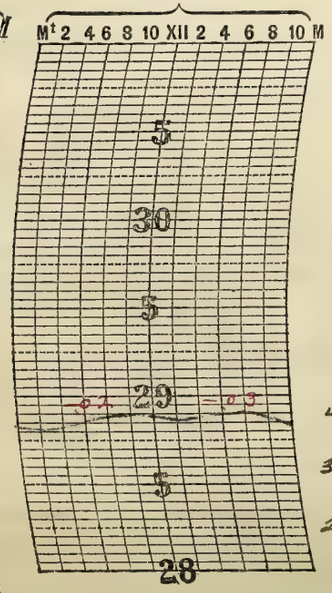
Reduced barometer, 29.76 a. m. 29.79 p. m.

River gage, 5.3 ft

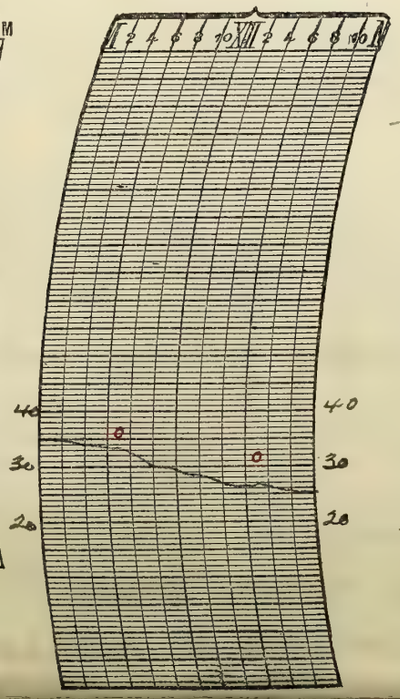
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Occasional light snow fell at intervals during the day and evening.

Prepared by H.P.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) FEB 26 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	25	25	25	25	25	26	26	26	25	26	27	28	27	27	26	25	23	22	22	22	21	21	22	21
State of weather: Nature of precipitation and time of beginning and ending					S B PN	✓																		
Amounts of precipitation					T	T	T	T	T	T	T	T	T	T	—	—	—	—	—	T	T	T	T	T
Cloudiness and other conditions	← Cloudy												Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0.4	0.5	0.3	0.2	0.5	0	0	0						
Wind direction	W	W	SW	SW	SW	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	10	11	11	11	9	9	11	12	12	15	16	18	20	23	25	25	23	23	21	19	17	15	17	15
Maximum velocities (exceeding 25 miles) direction and time															31 NW 2.03	30 NW 3.56	30 NW 4.10							

Sunrise: Time, 6.20 Character, Cloudy

Sunset: Time, 5.28 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
28	21	24	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow on ground 7 p. m., 0.1 inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0.1 ins.

Total precipitation, midnight to midnight, 0.1 inches.

Character of day, Cloudy Moon phase, Last Quarter 3 24 A.

Average daily cloudiness (0–10), 9

Actual sunshine, hours, 1.9

Possible sunshine, hours, 11.1

Percentage of possible sunshine, 17

Prevailing direction, NW

Total movement, 388

Average hourly velocity, 16.2

Maximum velocity, 31 Direction, NW Time. Began 2.03 P.M.

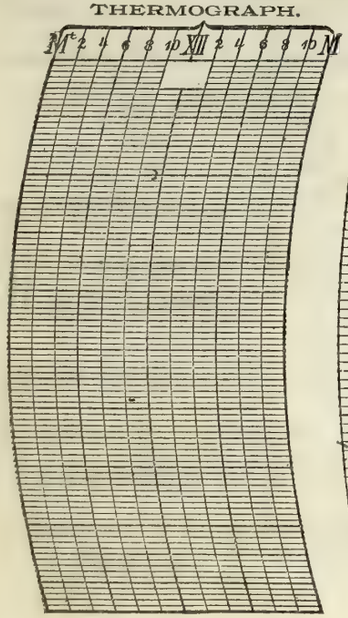
Extreme velocity, 31 NW 2.03 PM

Relative humidity, 100 a. m., 76 p. m.

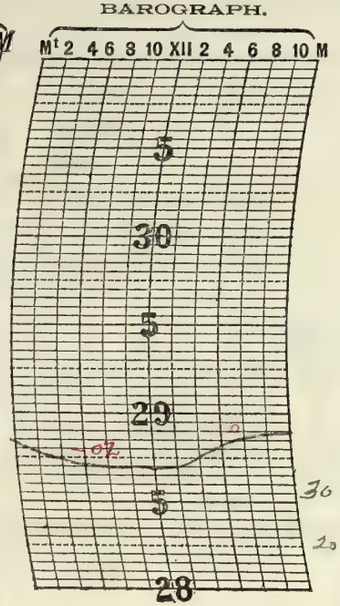
Reduced barometer, 29.62 a. m., 29.77 p. m.

River gage, 5.2 ft.

THERMOGRAPH.



BAROGRAPH.



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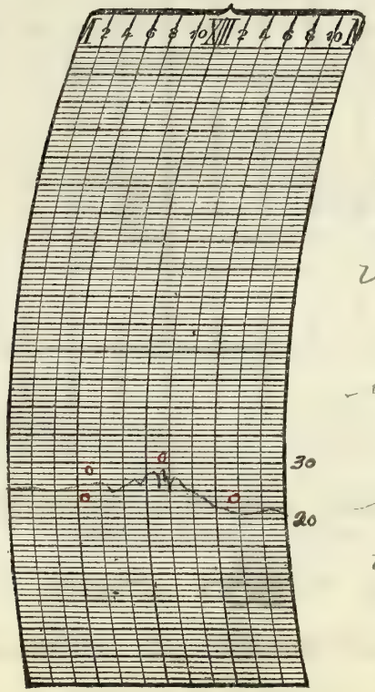


NOTES.

Snow flurries accompanied by strong and shifty winds prevailed during the day.

The flurries at several intervals were quite heavy.

The sun shone through openings in the clouds at intervals.

Some thawing occurred during the day causing the streets and walks to be wet from melting snow.

Prepared by J.H.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) FEB 27 1916 191

Time (local standard); 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	20	19	19	18	18	19	19	20	20	21	22
Nature of precipitation and time of beginning and ending							d SL 6.33	d SL 7.06				
Amounts of precipitation	T	T	T	T	T	T	T	T	T	T	T	T
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0.5
Wind direction	NW	NW	NW	NW	NW	W	W	W	W	W	W	W
Wind movement	16	17	19	16	13	14	15	15	17	18	19	21
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	22	22	22	21	21	20	20	19	18	17	16	16
Nature of precipitation and time of beginning and ending			d SL 2.45									
Amounts of precipitation	T	T	T									
Cloudiness and other conditions			Partly Clear									
Sunshine (in tenths of hours)	0.1	0.1	0.1	0.6	0.3 0.4	.48 0						
Wind direction	W	W	W	W	NW	NW	W	NW	NW	W	W	W
Wind movement	21	22	23	24	20	14	11	7	5	6	7	6
Maximum velocities (exceeding 29 miles) direction and time				30 W 3.40								

Sunrise: Time, 6.19 Character, Cloudy

Sunset: Time, 5.29 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	22	16	19	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 1 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 2.6

Possible sunshine, hours, 11.2

Percentage of possible sunshine, 23

Prevailing direction W

Total movement, 464

Average hourly velocity, 15.3

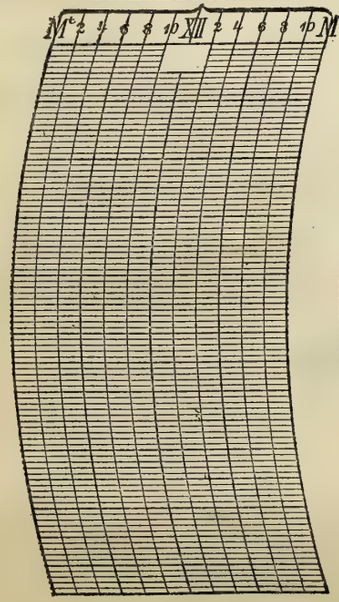
Maximum velocity,	Direction,	Time.
30	W	Began 3.40 P.M.
Extreme velocity, 31	W	3.40 P.M.

Relative humidity, 72 a. m., 59 p. m.

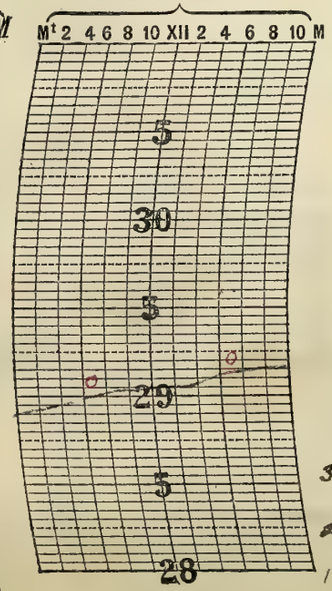
Reduced barometer, 29.95 a. m., 29.07 p. m.

River gage, 5.0 ft.

THERMOGRAPH.



BAROGRAPH.



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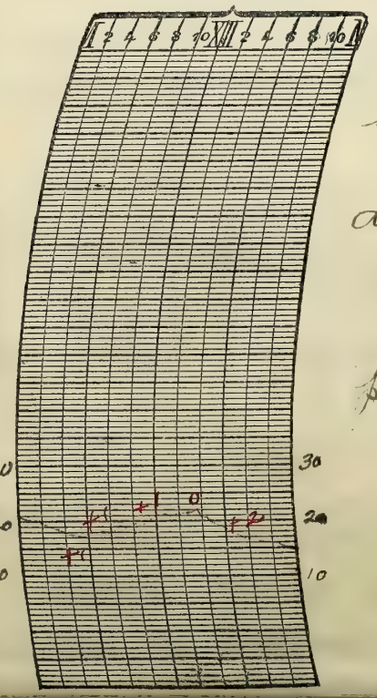


NOTES.

Light snow fell during the day until 2.45 P.M.
The wind was strong and gusty during the day and morning.
The clouds began to break at 11.15 A.M.
Some thawing occurred during the day in places exposed to the sun.

Prepared by J.H.C.
Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) FEB 28 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	15	14	14	14	14	15	16	17	21	23	24	25	28	27	28	28	27	26	26	24	24	25	24	23
State of weather: Nature of precipitation and time of beginning and ending																				d SB 7.30				
Amounts of precipitation																				T	T	T	T	T
Cloudiness and other conditions							Cloudy								Cloudy									
Sunshine (in tenths of hours)							0	0	0	0	0	0	0.3	0.6	0	0	0	0						
Wind direction	W	SW	W	W	W	SW	SW	SW	W	W	W	W	S	SE	SE	SE	S	S	SE	S	S	S	S	S
Wind movement	5	8	7	5	5	4	4	5	4	5	5	5	4	4	5	5	5	5	4	7	6	5	5	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.17 Character, Cloudy

Sunset: Time, 5.31 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
28	14	21	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 0.9

Possible sunshine, hours, 11.2

Percentage of possible sunshine, 8

Prevailing direction S

Total movement, 122

Average hourly velocity, 5.1

Maximum velocity, 9 Direction, S Time. Began 6.46 P.M.

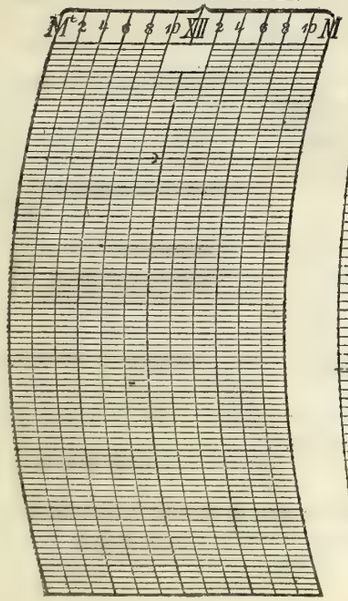
Extreme velocity, 9-S-6.46 P.M.

Relative humidity, 76 a. m. 69 p. m.

Reduced barometer, 30.07 a. m. 29.92 p. m.

River gage, 3.8 ft.

THERMOGRAPH.



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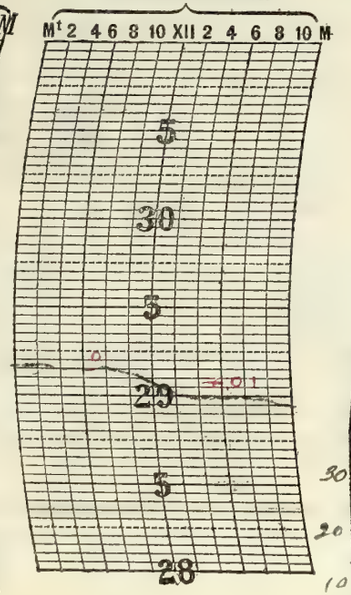

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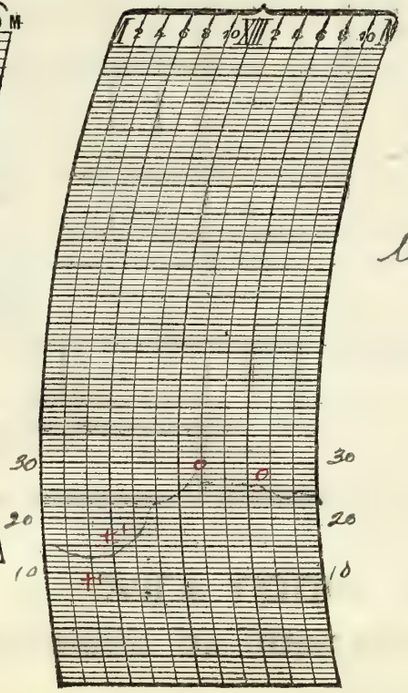


NOTES.

The sun shone through openings in the clouds during the afternoon. Some thawing occurred during the afternoon.

Prepared by J.H.R.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) FEB 29 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	21	22	22	22	22	23	24	25	27	29	29	29	30	32	31	31	29	27	25	23	22	21	20
State of weather: Nature of precipitation and time of beginning and ending	d SE DN							d SB 7.10 SE 7.40				d SB 11.45			d SE 3.00									
Amounts of precipitation	T							T				T	T	T	T									
Cloudiness and other conditions							Cloudy							Cloudy										
Sunshine (in tenths of hours)							0	0	0.6	0.5	0.8	0.2	0.2	0.4	0.2	0.7	0	0						
Wind direction	S	S	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	NW	N	N	N	N
Wind movement	3	3	3	5	6	8	7	7	9	11	12	14	16	15	15	13	11	8	5	6	5	4	5	4

Sunrise: Time, 6.15 Character, Cloudy

Sunset: Time, 5.32 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
32	20	27	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 3.6

Possible sunshine, hours, 11.3

Percentage of possible sunshine, 32

Prevailing direction W.

Total movement, 195

Average hourly velocity, 8.1

Maximum velocity, 18 Direction, W Time. Began 1.18 PM

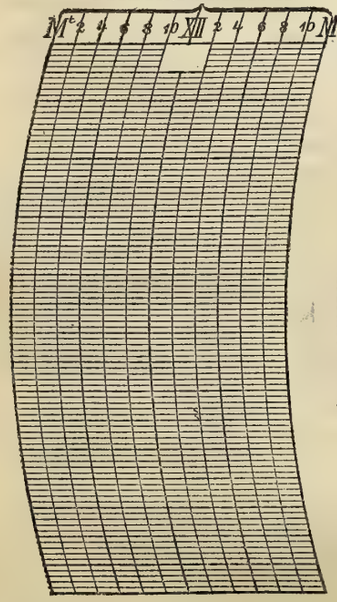
Extreme velocity, 18 W 1.18 PM

Relative humidity, 87 a. m. 65 p. m.

Reduced barometer, 29.95 a. m. 30.05 p. m.

River gage, 3.8 ft.

THERMOGRAPH.



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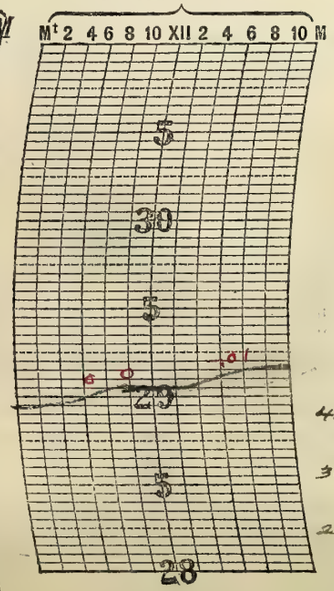

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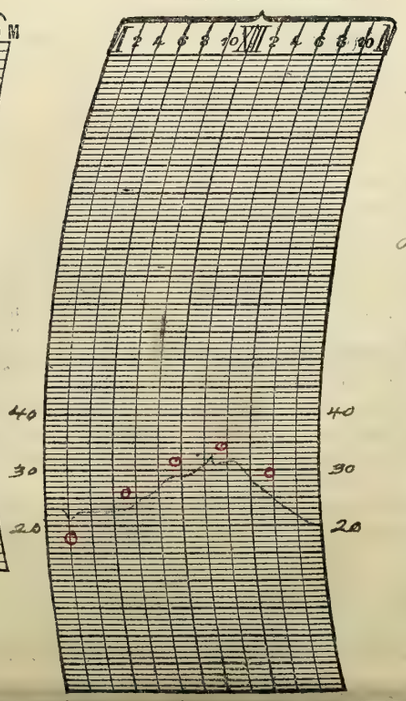


NOTES.

Snow flurries occurred during the day.

Some thawing occurred during the afternoon

The sun shone through openings in clouds during the day

Prepared by J.H.C.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 1 1916, 191 6

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	18	17	16	16	16	18	19	20	23	25	27
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, 6.15 Character, Cloudy												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	E	E	E	E	E	NE	E
Wind movement	6	6	5	5	4	6	7	10	10	9	10	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	29	29	26	25	23	22	22	21	21	21	21
State of weather: Nature of precipitation and time of beginning and ending			d SB 225									d SE DN
Amounts of precipitation												
Cloudiness and other conditions				Cloudy								
Sunset: Time, 5.32 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	15	12	16	16	15	17	14	14	16	15	15	14

Maximum velocities (exceeding 2.9 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
29	16	22	

Total depth of snow for 24 hours ending 7 p. m., 0.7 inches.

Snow on ground 7 p. m., 0.6 inches.

Total snowfall, midnight to midnight, 1.2 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.5 ins.

Total precipitation, midnight to midnight, .08 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 11.3

Percentage of possible sunshine, 0

Prevailing direction NE.

Total movement, 269

Average hourly velocity, 11.2

Maximum velocity, 20 Direction, E Time. Began 2.46 P.M.

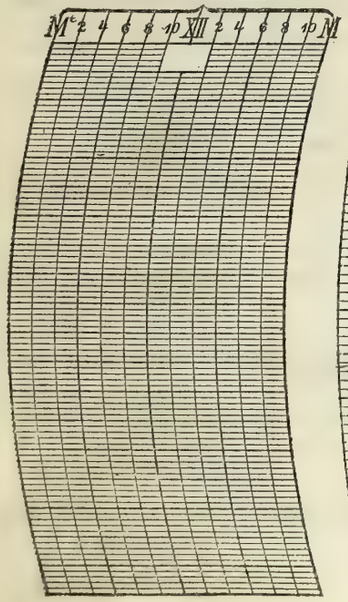
Extreme velocity, 20 - E - 2.46 P.M.

Relative humidity, 81 a. m., 93 p. m.

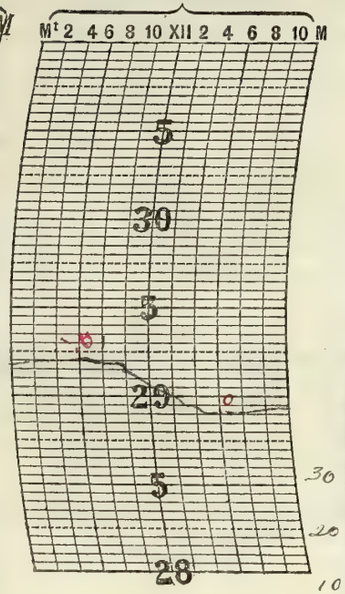
Reduced barometer, 30.13 a. m., 29.85 p. m.

River gage, 3.8 ft.

THERMOGRAPH.



BAROGRAPH.



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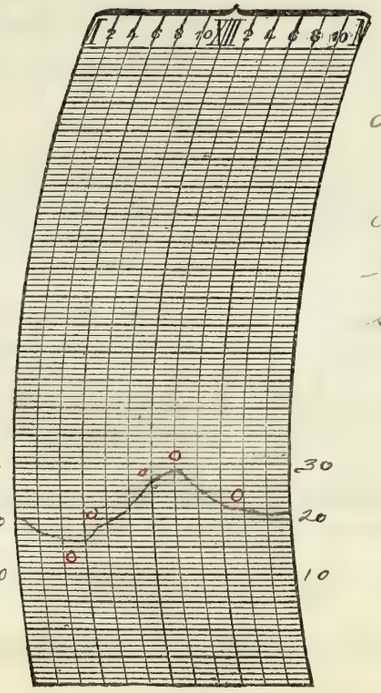


NOTES.

Light dry snow fell during the afternoon and evening. Some of the snow melted soon after it fell, and then froze, making the streets and walks icy and slippery in many places.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 2 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	20	20	20	20	19	19	19	20	20	21	22	23	24	24	24	24	22	21	18	16	15	13	12
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy								Cloudy				P.C.		Clear				
Sunshine (in tenths of hours)		1					0	0	0	0.7	0.2	0.7	0	0	0	0	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	N	NE	NE	NE	NE	NE	N	N	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	14	12	11	10	11	9	8	8	9	11	11	10	9	10	11	9	9	8	9	7	9	9	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.14 Character, Cloudy

Sunset: Time, 5.33 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
25	12	18	

Total depth of snow for 24 hours ending 7 p. m., 0.5 inches.

Snow on ground 7 p. m., 0.7 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.3 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 9

Actual sunshine, hours, 1.6

Possible sunshine, hours, 11.3

Percentage of possible sunshine, 14

Prevailing direction NE

Total movement, 229

Average hourly velocity, 9.5

Maximum velocity, 16 Direction, NE Time. Began 12.27 AM

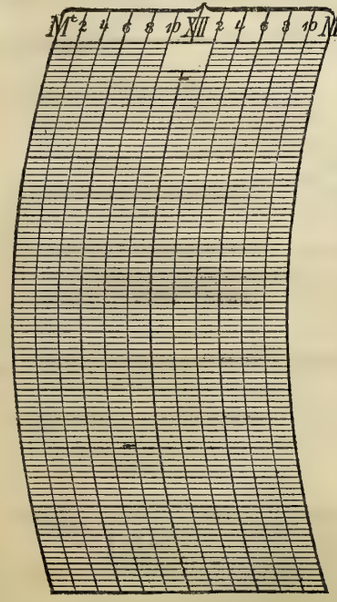
Extreme velocity, 16 – NE – 12.27 AM

Relative humidity, 85 a. m., 71 p. m.

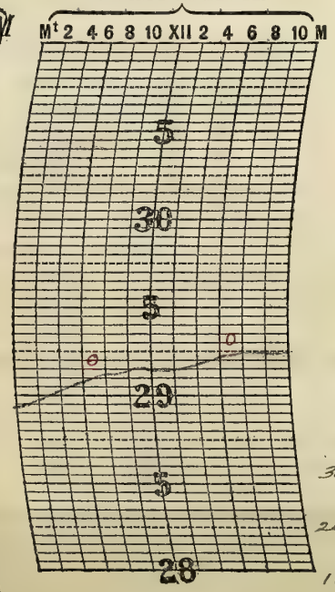
Reduced barometer, 30.01 a. m., 30.17 p. m.

River gage, 3.2 ft.

THERMOGRAPH.



BAROGRAPH.



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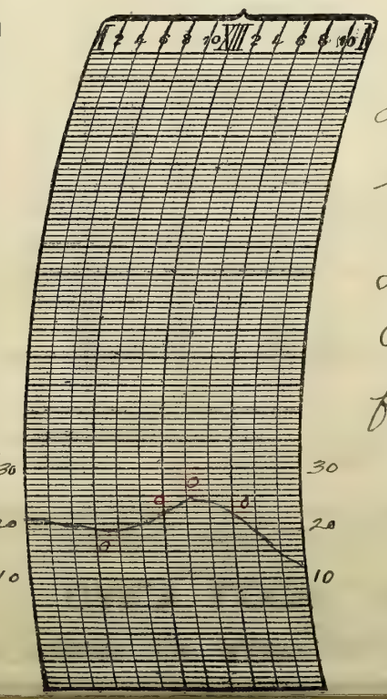


NOTES.

Cirrostratus clouds prevailed during the day after 9.00 A.M.
Some thawing occurred during the day.
The streets and walks were slippery during the morning from snow and ice.
A faint solar halo of 22° arc was observed from 3.00 to 4.30 P.M.

Prepared by HTC.
Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 3 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	12	11	10	10	10	11	12	14	16	18	21	24 25	24	24	22	21	19	18	17	17	16	14	13	12
State of weather: Nature of precipitation and time of beginning and ending															SB 2.35		SE 5.00							
Amounts of precipitation															T	T	T							
Cloudiness and other conditions					← Cloudy					× Partly						× Cloudy								→

Sunrise: Time, 6.12; Character, Cloudy

Sunset: Time, 5.34; Character, Cloudy

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)							0	0	0	0	0.8	1.0	1.0	0.7	0.2	0	0	0						
Wind direction	NE	NE	NE	N	N	N	N	N	SW	SW	W	SW	SW	SW	W	W	NW	NW	NW	W	W	W	SW	SW
Wind movement	7	7	6	6	5	6	3	3	5	7	8	11	14	17	15	15	14	13	11	12	13	15	16	16
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
25	10	18	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy. Moon phase New Moon 9.53 P.

Average daily cloudiness (0–10), 9

Actual sunshine, hours, 3.7

Possible sunshine, hours, 11.4

Percentage of possible sunshine, 32

Prevailing direction SW

Total movement, 245

Average hourly velocity, 10.2

Maximum velocity,	Direction,	Time.
19	SW	Began 10.09 PM

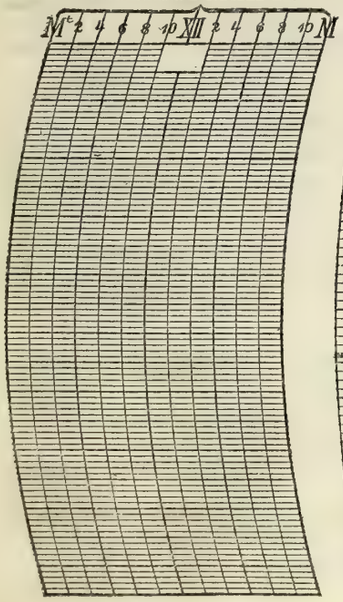
Extreme velocity, 19 – SW – 10.09 PM

Relative humidity, 76 a. m., 77 p. m.

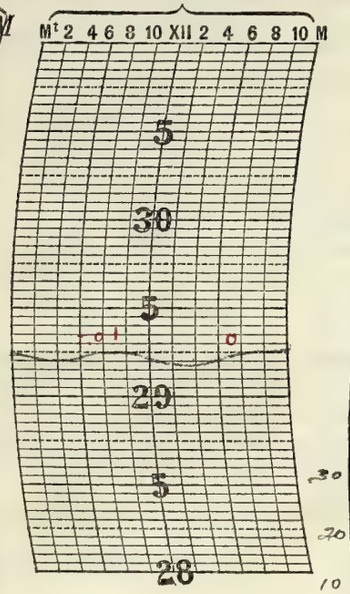
Reduced barometer, 30.16 a. m., 30.19 p. m.

River gage, 3.2 ft.

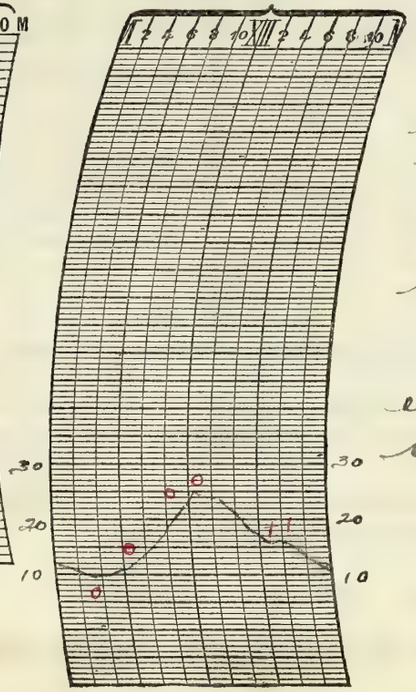
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Streets, and walks in many places, covered with snow and ice and were quite slippery in the morning. Some thawing occurred during the day after 11.00 am in exposed places. Walks were free from snow and ice by evening in the business section of the city.

Prepared by WTC.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 4 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	11	9	8	8	7	5	6	8	12	18	21	24	25	26	28	29	29	29	30	30	29	29	29	29
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←				Clear			→	Pt Cldy ×			Cloudy ×				Pt Cldy		→		
Sunrise: Time, 6.10; Character, Clear																					Sunset: Time, 5.35; Character, Cloudy			
Sunshine (in tenths of hours)		1					.83 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	0.9	0.1	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	12	11	14	13	11	9	12	14	14	15	16	19	22	23	20	24	22	17	18	18	17	16	14	14
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
30	5	18	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 11 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 6.8

Possible sunshine, hours, 11.4

Percentage of possible sunshine, 68

Prevailing direction SW

Total movement, 385

Average hourly velocity, 16.0

Maximum velocity,	Direction,	Time.
29	SW	Began 3.41 P.M.

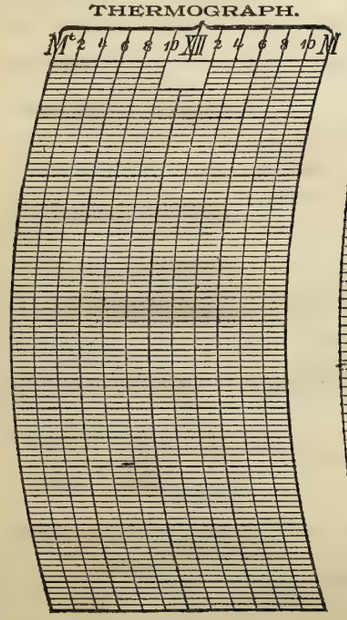
Extreme velocity, 29 - SW - 3.41 P.M.

Relative humidity, 72 a. m., 68 p. m.

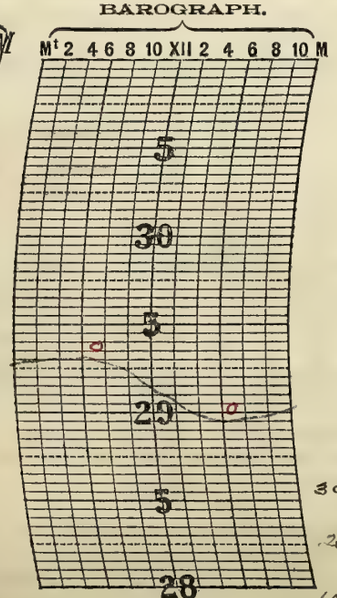
Reduced barometer, 30.28 a. m., 29.90 p. m.

River gage, 3.4 ft.

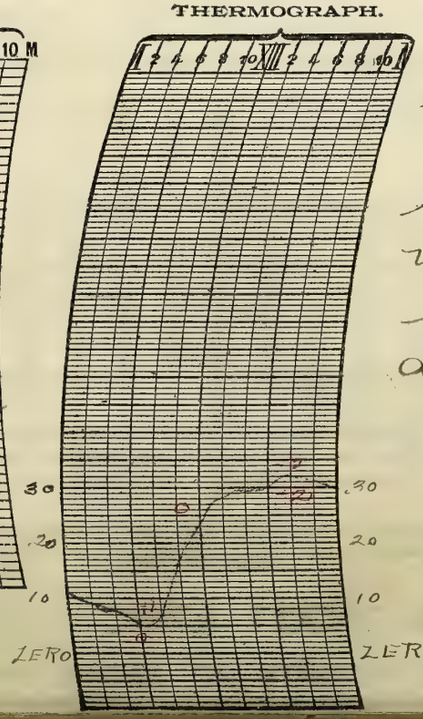
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. clouds prevailed during the forenoon
Some thawing occurred during the day
Streets slippery and icy in the
morning and evening.
Somewhat gusty winds prevailed
during the afternoon

Prepared by J. G. C.
Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 5 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	27	26	23	21	18	17	19	21	22	24	28	27	28	28	28	28	28	27	27	28	28	28	29
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear						×	Pt Cldy ×					Cloudy						
Sunshine (in tenths of hours)							.85 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0	0	0						
Wind direction	W	W	NW	N	N	N	NE	NE	NE	NE	E	SE	SE	SE	E	SE	SE	E	E	E	E	E	E	E
Wind movement	11	10	9	8	9	8	11	11	12	7	7	6	6	5	7	6	6	7	10	10	9	11	12	12

Sunrise: Time, 6.09; Character, Clear

Sunset: Time, 5.36; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
29	17	23	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 11 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 5

Actual sunshine, hours, 8.4

Possible sunshine, hours, 11.4

Percentage of possible sunshine, 74

Prevailing direction E

Total movement, 210

Average hourly velocity, 8.8

Maximum velocity, 16 Direction, NE Time. Began 8.01 AM

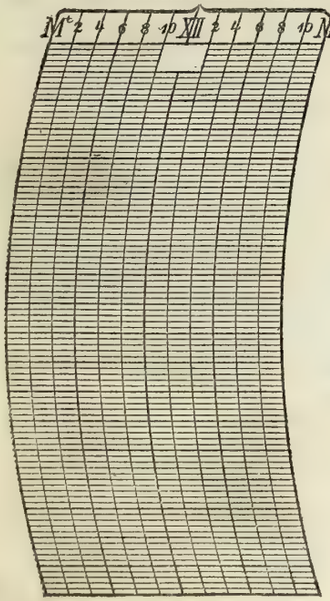
Extreme velocity, 16 – NE 8.01 AM

Relative humidity, 84 a. m. 48 p. m.

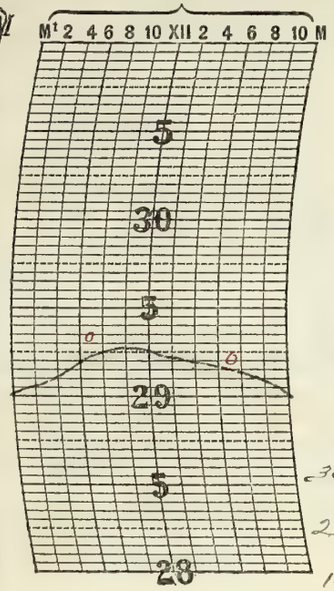
Reduced barometer, 30.16 a. m. 30.10 p. m.

River gage, 3.5 ft

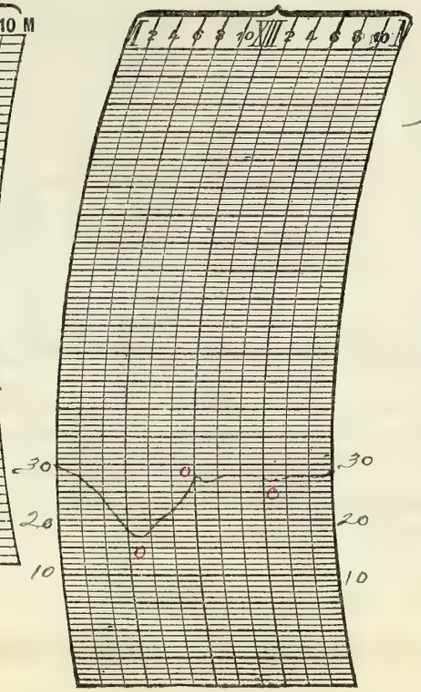
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci Clouds prevailed during the day until 4.30 P.M.
A faint solar halo of 22° arc was observed from 2.00 P.M. to 4.30 P.M.

Prepared by J.V.T.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 6 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	29	29	30	31	31	31	32	32	34	39
State of weather: Nature of precipitation and time of beginning and ending	RB DN			RE DN					RB 8.20		RE 11.00	
Amounts of precipitation	—	—	—	—					T	T	T	
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6.07 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	SE
Wind movement	15	14	16	13	12	11	11	13	10	8	9	6
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	55	57	58	57	58	55	47	43	42	40	37
State of weather: Nature of precipitation and time of beginning and ending					RB 4.20		RE 6.25					
Amounts of precipitation					—	—	—					
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									5.37 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0.4	0	0						
Wind direction	SE	S	S	S	S	SW	SW	SW	SW	W	SW	SW
Wind movement	8	12	16	15	19	20	27	19	16	20	20	24
Maximum velocities (exceeding 29 miles) direction and time							32 W 6.35					

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	59	29	44.4	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., .12 ins.

Total precipitation, midnight to midnight, .16 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0.4

Possible sunshine, hours, 11.5

Percentage of possible sunshine, 3

Prevailing direction E

Total movement, 354

Average hourly velocity, 14.8

Maximum velocity, 32 Direction, W Time. Began 6.35 P.M.

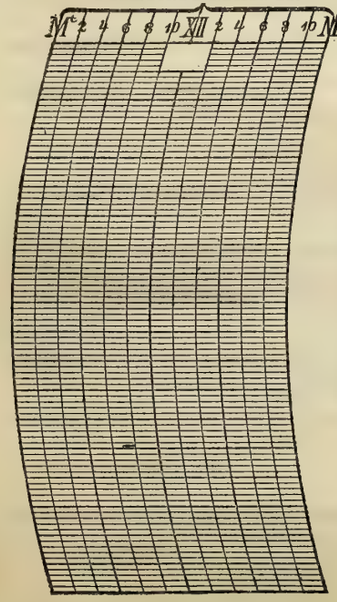
Extreme velocity, 33 - W - 6.35 P.M.

Relative humidity, 92 a. m., 76 p. m.

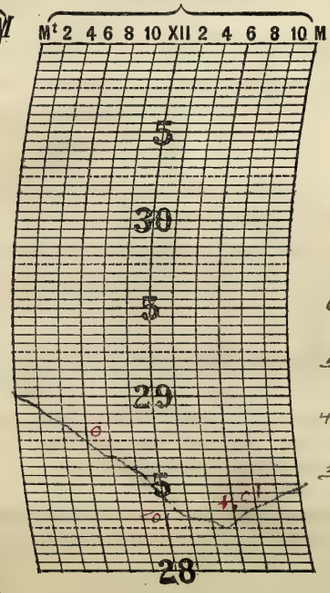
Reduced barometer, 29.61 a. m., 29.28 p. m.

River gage, 3.3 ft

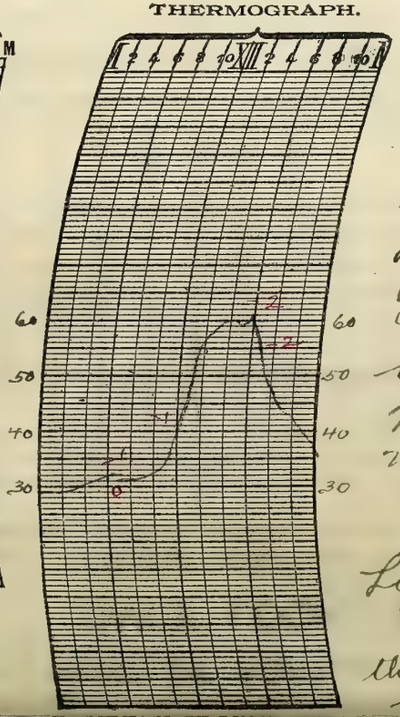
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The rain which fell during the early morning froze on objects soon after it fell covering them with a coat of ice and causing the streets and walks to be very slippery and dangerous to pedestrians in the forenoon. Much thawing occurred during the afternoon making the streets and walks wet and slushy. The forenoon was rather dark and Light fog prevailed from 7.30 A.M. to 1.00 P.M. The sun shone at intervals from 2.00 to 5.00 P.M. through openings in clouds. Strong and gusty winds prevailed during the evening

Prepared by J.H.C.

Verified by [illegible]

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 7 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	33	32	32	33	33	36	38	41	45	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunshine (in tenths of hours)		1					90 0	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	28	24	20	19	18	17	16	18	21	20	21	23
Maximum velocities (exceeding 29 miles) direction and time	34 SW 12.32											

Sunrise: Time, 6:06 Character, Clear

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	49	40	32	30	29	29	28	25	26	26	25
State of weather: Nature of precipitation and time of beginning and ending		RB 1.20 RE 1.45	RB 2.25 RE 2.30 RB 2.42 2.50	RE 3.30	SN 4.15	SE 5.45						
Amounts of precipitation		T		T	T	T						
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)	1.0	0.5	0	0	0	0						
Wind direction	S	S	SW	W	W	W	W	W	W	W	W	SW
Wind movement	27	27	23	25	27	25	23	21	19	14	15	12
Maximum velocities (exceeding 29 miles) direction and time	35 SW 12.34	34 SW 1.04	38 SW 2.34	37 W 3.47	36 W 4.18	30 W 5.05						

Sunset: Time, 5.39 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

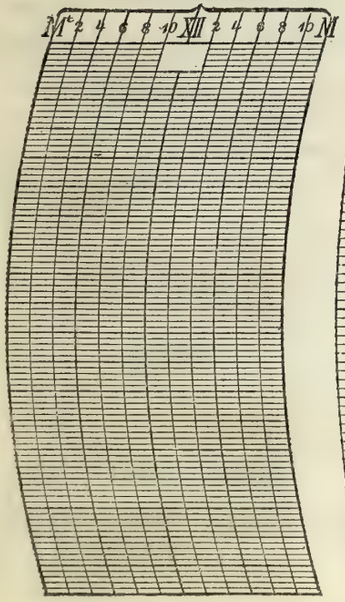
	Maximum.	Minimum.	Mean.	Normal.
	49	25	37	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, .05 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10) 5
Actual sunshine, hours, 7.4
Possible sunshine, hours, 11.6
Percentage of possible sunshine, 64
Prevailing direction SW.
Total movement, 503
Average hourly velocity, 21.0

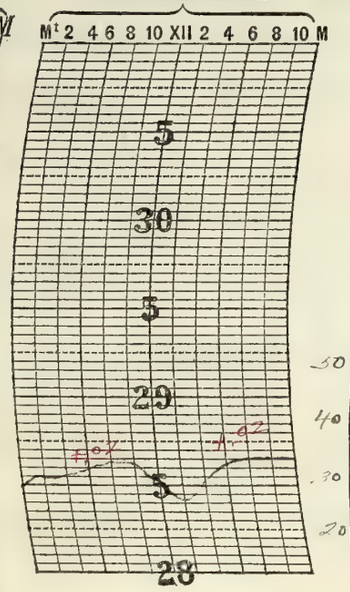
Maximum velocity,	Direction,	Time.
38	SW	Began 2.34 P.M.

Extreme velocity, 40 - SW - 2.34 P.M.
Relative humidity, 71 a. m. 78 p. m.
Reduced barometer, 29.54 a. m. 29.57 p. m.
River gage, 4.5 ft.

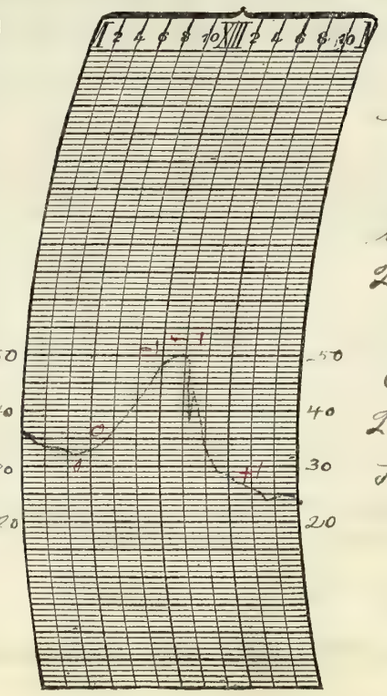
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A moderate thunderstorm passed over the station from 2.25 P.M. to 3.30 P.M.
First thunder was heard at 2.20 P.M. and last at 2.50 P.M.
During the passage over the city of the principal thunder clouds, it was rather dark from 2.25 P.M. to 2.40 P.M.
Light snow fell from 4.15 P. to 5.45 P.M.
A little snow fell with the rain from 2.30 P.M to 2.40 P.M.
High winds prevailed all day and morning.

Prepared by H.S.C.
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 8 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	24	23	22	22	21	21	22	20	19	19	19	20	21	22	23	21	21	20	20	20	19	20	19	20
Nature of precipitation and time of beginning and ending	d SB DN		d SE DN					d SB 7.05												d SE 7.20				
Amounts of precipitation	T	T	T					T	T	T	T	T	T	T	T	T	T	T	T	T				
Cloudiness and other conditions							Cloudy →						P. Cldy →					Cloudy						

Sunrise: Time, 6.04; Character, Cloudy

Sunset: Time, 5.49; Character, Cloudy

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)							0	0	0.3	0.6	1.0	1.0	1.0	0.1	0	0	0	0						
Wind direction	W	W	W	W	NW	NW	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	W	W	W	W	W
Wind movement	13	10	11	13	16	13	13	15	12	18	18	22	22	19	18	17	21	18	18	15	14	13	10	7
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
25	19	22	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10), 9

Actual sunshine, hours, 4.0

Possible sunshine, hours, 11.6

Percentage of possible sunshine, 34

Prevailing direction W

Total movement, 366

Average hourly velocity, 15.2

Maximum velocity, 28 Direction, NW Time. Began 11.47 AM

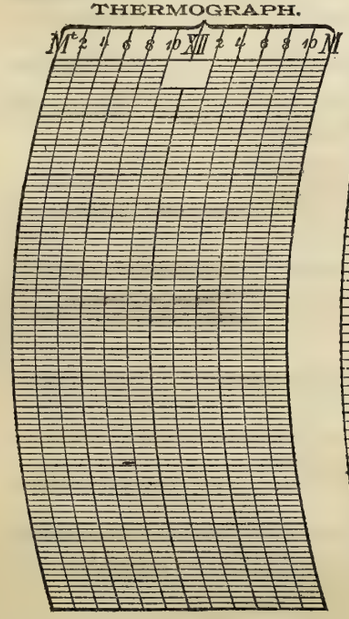
Extreme velocity, 28 - NW - 11.47 AM

Relative humidity, 78 a. m., 70 p. m.

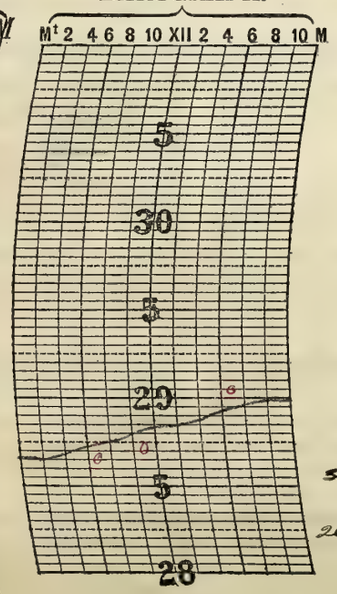
Reduced barometer, 29.66 a. m., 29.90 p. m.

River gage, 5.8 ft.

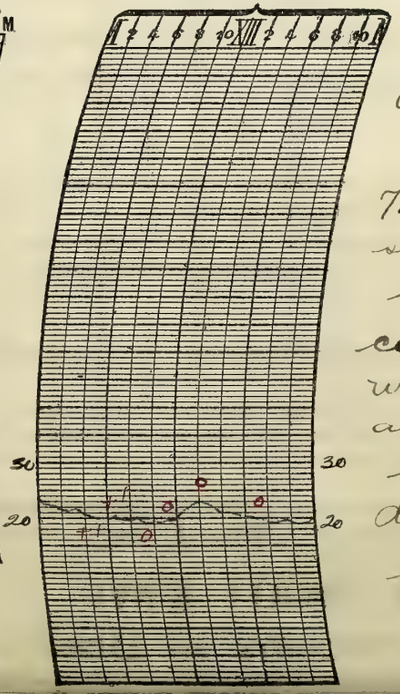
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through openings in the clouds during the middle of the day

Dry snow fell at intervals from 7.05 A.M. to 7.20 P.M. except from 3.00 P.M. to 4.20 P.M. when the snowfall was quite heavy.

Some of the snow melted soon after it fell coating the walks and streets in many places with a thin layer of ice during the afternoon and evening.

Strong and somewhat gusty winds prevailed during the day.

Some thawing occurred during the forenoon

Prepared by H.T.C.

Verified by P.M.A.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 9 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	19	18	18	18	16	15	16	20	22	25	27	29	33	37	38	38	38	39	39	40	39	42	45	43
State of weather: Nature of precipitation and time of beginning and ending																SP 3.15 SE 3.30				RB 7.30		RE 9.50		
Amounts of precipitation																T				T	—	—		
Cloudiness and other conditions					← Clear			← F.C.		Cloudy						Cloudy								
Sunrise: Time, 6.02 Character, Clear																					Sunset: Time, 5.41 Character, Cloudy			
Sunshine (in tenths of hours)							.97 0	0.2 0.1	0	0	0	0.1	0	0.4	0.2	0	0	0	0					
Wind direction	N	NW	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	6	4	5	6	7	8	13	13	14	17	21	25	24	31	26	28	27	34	36	39	35	33	27
Maximum velocities (exceeding 29 miles) direction and time															35 SW 2.25	31 SW 3.15	32 SW 4.07	32 SW 5.28	42 SW 6.39	42 SW 7.45	46 SW 8.30	42 SW 9.15	40 SW 10.25	30 SW 11.45

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

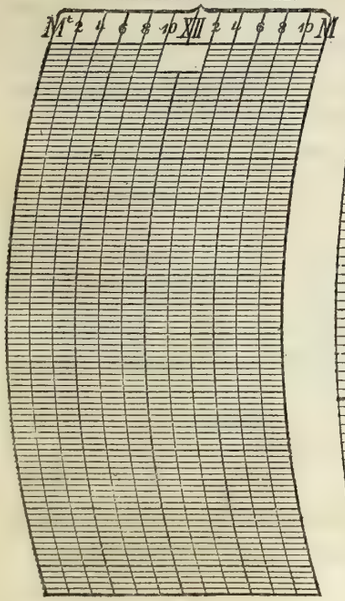
	Maximum.	Minimum.	Mean.	Normal.
	45	15	30	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10) 9
Actual sunshine, hours, 2.0
Possible sunshine, hours, 11.6
Percentage of possible sunshine, 17
Prevailing direction SW.
Total movement, 487
Average hourly velocity, 20.3

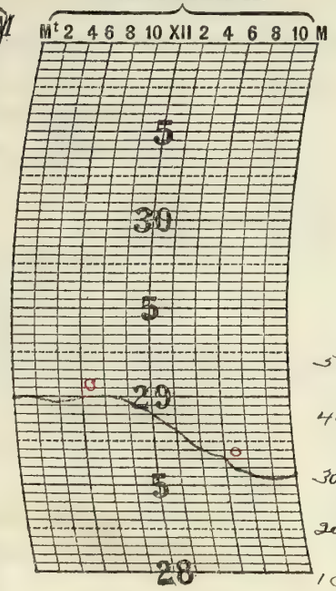
	Maximum velocity,	Direction,	Time.
	46	SW	Began 8.30 PM
Extreme velocity,	48	SW	8.30 PM

Relative humidity, 86 a. m. 79 p. m.
Reduced barometer, 29.96 a. m. 29.51 p. m.
River gage, 5.3 ft.

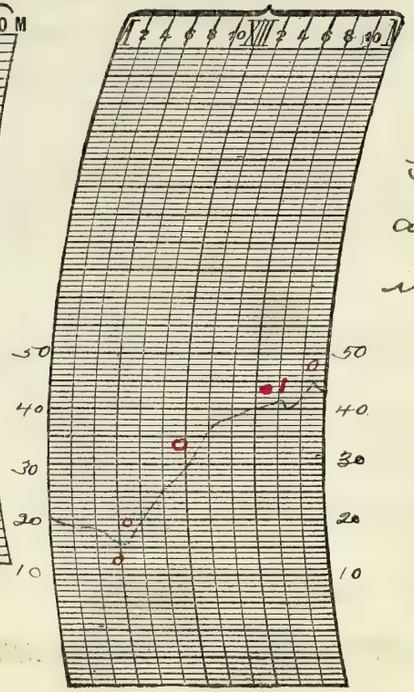
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some thawing occurred during the day. Light snow fell during part of the afternoon. High winds prevailed during the afternoon and night (P.M.) No damage was reported in the city on account of high winds.

Prepared by H.T.C.
Verified by P.M.H.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 10 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	32	29	27	27	26	24	25	26	27	28	28
State of weather: Nature of precipitation and time of beginning and ending	d SB DN	1	SE DN									
Amounts of precipitation	T	T	T									
Cloudiness and other conditions						← Clear						
Sunrise: Time, Character,	6.01 Cloudy											
Sunshine (in tenths of hours)		1					0	0.4	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	NW
Wind movement	20	23	21	18	16	17	20	16	18	14	13	13
Maximum velocities (exceeding 25 miles) direction and time		30 NW 1.20	31 NW 2.13									

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	29	31	32	32	31	29	27	26	25	24	23	22
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear →						
Sunset: Time, Character,									5.42 Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	0 .70				1		
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	15	16	15	17	13	14	11	11	8	8	6	6
Maximum velocities (exceeding 25 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
43	22	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 10.0

Possible sunshine, hours, 11.7

Percentage of possible sunshine, 85

Prevailing direction NW

Total movement, 349

Average hourly velocity, 14.5

Maximum velocity,	Direction,	Time.
31	NW	Began 2.13 A.M.

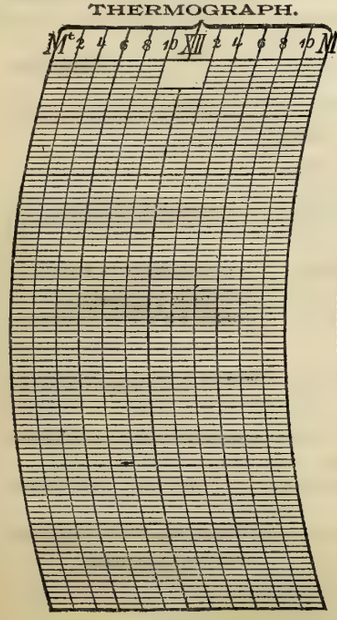
Extreme velocity, 32 NW 2.13 A.M.

Relative humidity, 68 a. m., 51 p. m.

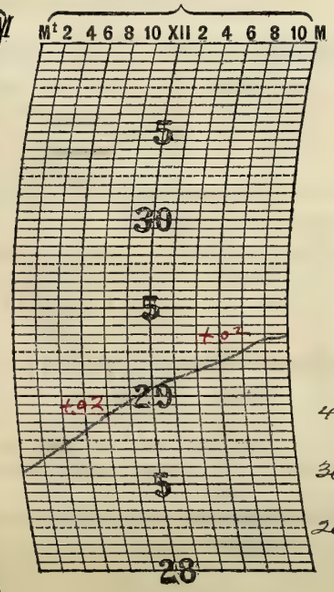
Reduced barometer, 29.83 a. m., 30.21 p. m.

River gage, 5.0 ft.

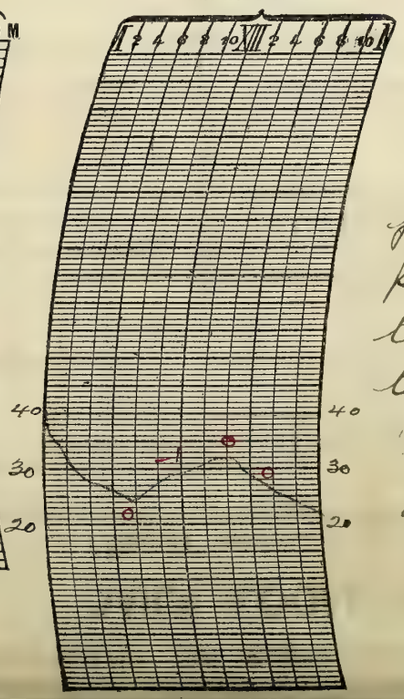
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St and St. Cu. Clouds prevailed during the day.

The water, from the rain during the previous evening, and which froze in puddles during the early morning caused the streets and walks in some places to be covered with ice in the morning. Thawing occurred during the day after 9.00 A.M.

Prepared by J.H.C.
Verified by H.M.A.

8—486

Form No. 1211—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 11 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	20	20	20	20	19	19	22	26	29	32	34	35	36	37	37	36	35	33	32	31	31	31	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Clear							Clear								→	
Sunrise: Time, Character,	5.59 Clear																				Sunset: Time, Character,		5.43 Clear	
Sunshine (in tenths of hours)						.02 0	1.0 0	0.6 0.3	0.7	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.7 0.3	.72 0						
Wind direction	NW	NW	NW	NW	NW	W	NW	NW	NW	N	W	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW
Wind movement	4	3	2	4	4	3	4	3	2	4	5	8	11	12	14	15	13	12	10	10	11	12	12	11
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
37	19	28	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, First Quarter 12.33 P.

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 11.1

Possible sunshine, hours, 11.7

Percentage of possible sunshine, 95

Prevailing direction SW.

Total movement, 189

Average hourly velocity, 7.9

Maximum velocity,	Direction,	Time.
19	SW	Began 2.44 PM

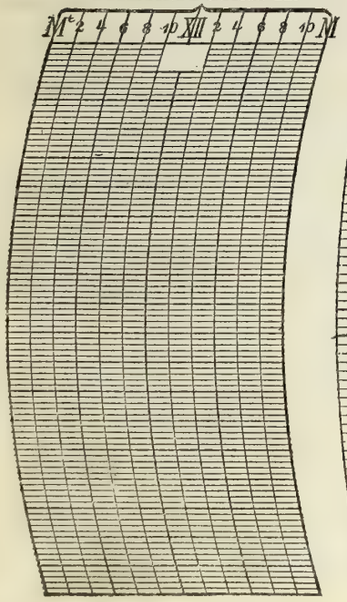
Extreme velocity, 20 SW - 2.44 P.M.

Relative humidity, 78 a. m. 85 p. m.

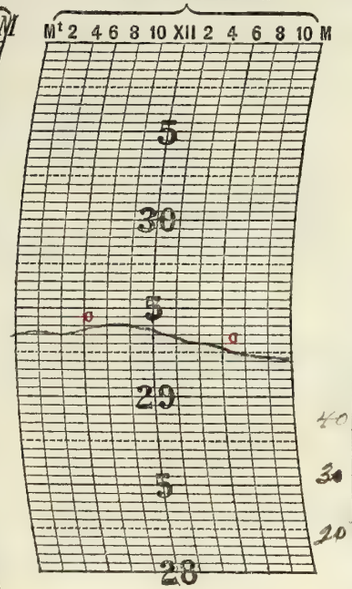
Reduced barometer, 30.36 a. m. 30.21 p. m.

River gage, 5.1 ft.

THERMOGRAPH.



BAROGRAPH.



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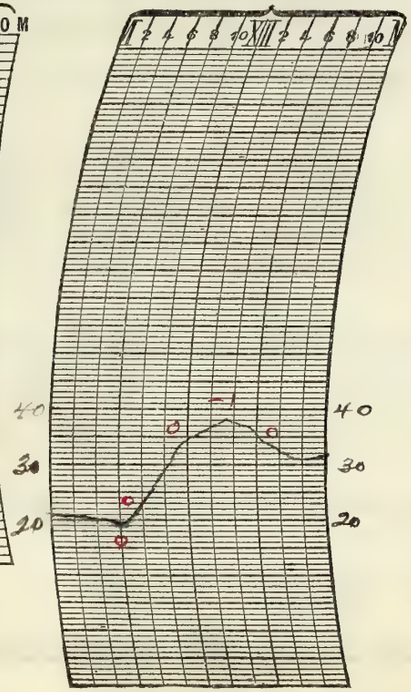


NOTES.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 12 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	29	30	32	33	34	35	37	39	42	45	46	50	52	53	55	53	51	48	47	46	44	43	43
State of weather: Nature of precipitation and time of beginning and ending		In S13 DN	SE DN																					
Amounts of precipitation		T	T																					
Cloudiness and other conditions					← Cloudy					× Pt Cloudy					× Clear									
Sunshine (in tenths of hours)		1				0	0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0				1		
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	16	13	15	16	15	16	15	17	20	20	19	18	19	19	20	16	15	15	14	14	13	12	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.57; Character, Cloudy

Sunset: Time, 5.44; Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	55	29	42	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 9.1

Possible sunshine, hours, 11.8

Percentage of possible sunshine, 77

Prevailing direction SW

Total movement, 378

Average hourly velocity, 15.8

Maximum velocity, 24 Direction, SW Began 9.21 A.M.

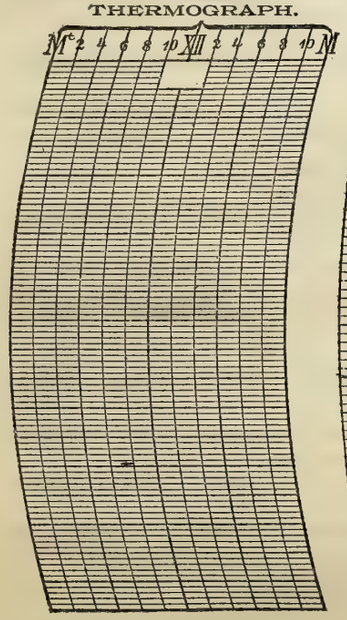
Extreme velocity, 24 SW 9.21 A.M.

Relative humidity, 68 a. m. 65 p. m.

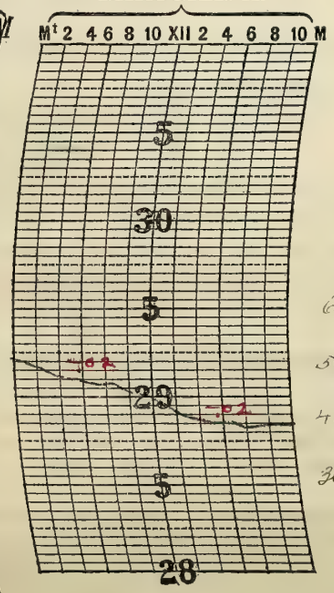
Reduced barometer, 29.99 a. m. 29.75 p. m.

River gage, 5.0 ft

THERMOGRAPH.



BAROGRAPH.



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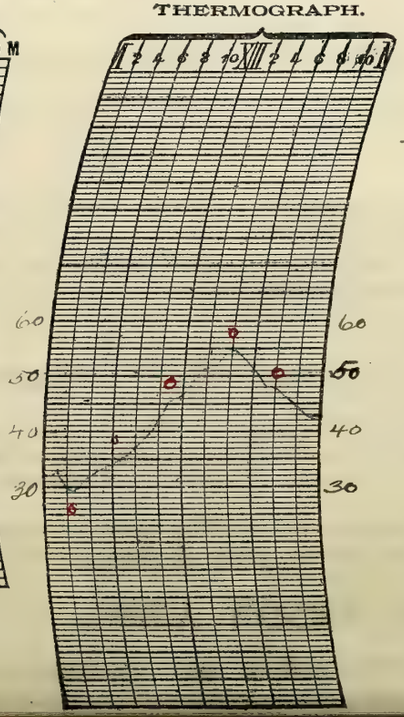


NOTES.

The snow which fell during the early morning melted during the forenoon.

Prepared by J.H.T.

Verified by P.M.A.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 13 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	41	40	39	37	35	35	37	39	41	44	47	49	50	51	49	45	41	38	32	31	30	30	30
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear				×	Pt Cloudy					×		Clear						
Sunshine (in tenths of hours)		1				.07 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	.75 0						
Wind direction	SW	W	NW	N	NE	NE	NE	NE	NE	E	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	9	7	5	5	7	7	8	12	14	14	12	10	8	9	12	14	13	13	14	15	17	18	17	17

Sunrise: Time, 5.55a; Character, Clear

Sunset: Time, 5.45; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
57	30	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase, ✓

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 7.8

Possible sunshine, hours, 11.8

Percentage of possible sunshine, 100

Prevailing direction NE

Total movement, 277

Average hourly velocity, 11.5

Maximum velocity, 21 Direction, NE Time. Began 9.12 PM

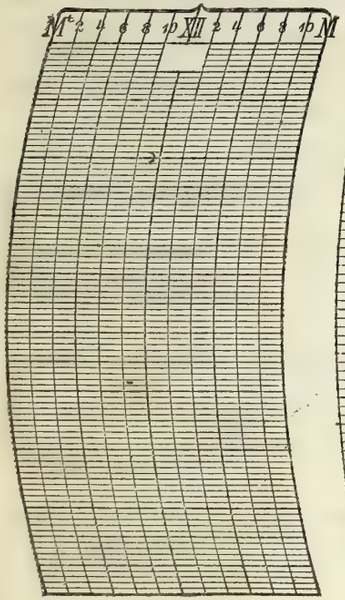
Extreme velocity, 22 - NE - 9.12 PM

Relative humidity, 84 a. m. 80 p. m.

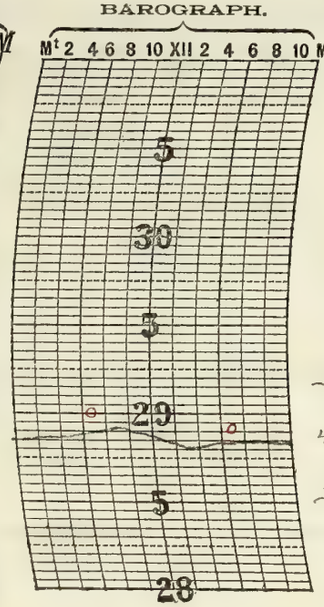
Reduced barometer, 29.82 a. m. 29.77 p. m.

River gage, 4.5 ft.

THERMOGRAPH.



BAROGRAPH.



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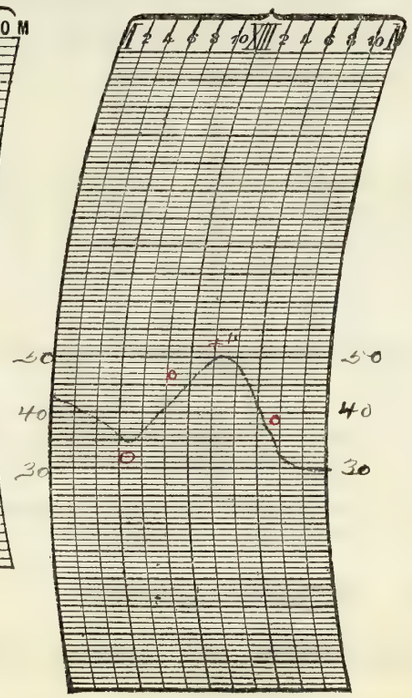


NOTES.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 1 4 1916 . 191

Time (local standard) 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	29	29	29	29	29	29	30	31	32	33	34	33	29	27	25	23	21	20	18	17	16	16
State of weather: Nature of precipitation and time of beginning and ending															SN B 2.15								SI-DN	
Amounts of precipitation															—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions						← Cloudy									Cloudy									
Sunrise: Time, 5.54 Character, Cloudy																					Sunset: Time, 5.46 Character, Cloudy			
Sunshine (in tenths of hours)		1				0	0	0	0	0	0	0	0.2	0	0	0	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N	N	N
Wind movement	18	21	20	21	20	20	19	19	20	19	18	20	24	25	18	19	18	21	19	19	18	18	15	13
Maximum velocities (exceeding 29 miles) direction and time													31 NE 12.55	35 NE 1.05										

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

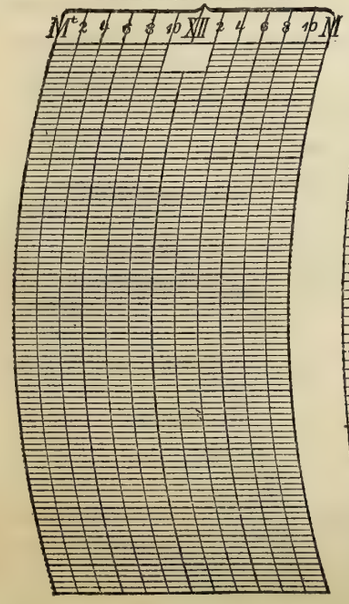
	Maximum.	Minimum.	Mean.	Normal.
	34	16	25	

Total depth of snow for 24 hours ending 7 p. m., 0.8 inches.
Snow on ground 7 p. m., 0.5 inches.
Total snowfall, midnight to midnight, 1.1 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.5 ins.
Total precipitation, midnight to midnight, 0.5 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10) 10
Actual sunshine, hours, 0.2
Possible sunshine, hours, 11.9
Percentage of possible sunshine, 2
Prevailing direction NE
Total movement, 462
Average hourly velocity, 19.2

Maximum velocity,	Direction,	Time.
35	NE	Began 1.05 PM

Extreme velocity, 35 NE 1.05 PM
Relative humidity, 74 a. m., 93 p. m.
Reduced barometer, 29.85 a. m., 30.05 p. m.
River gage, 4.3 ft

THERMOGRAPH.



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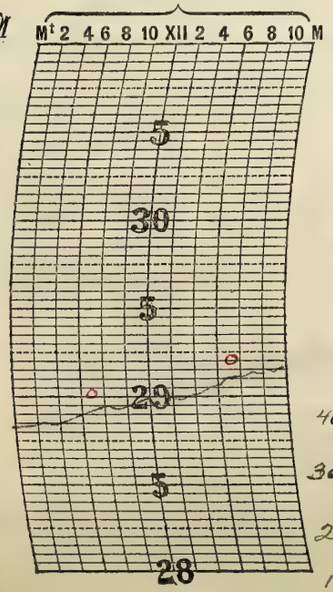

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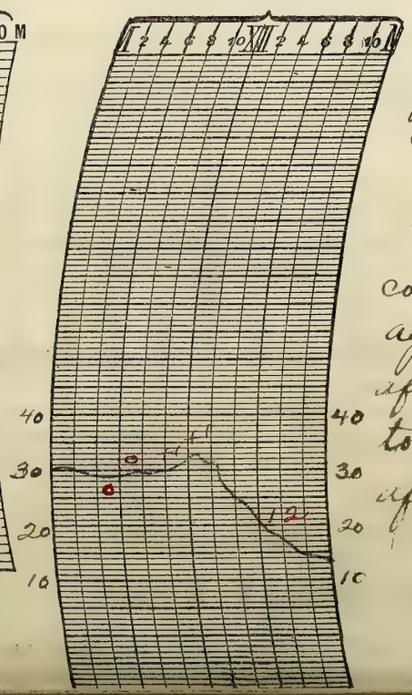


NOTES.

High winds prevailed during the middle of the day.
Light moist snow began falling at 2.15 P.M. The fall became quite heavy at 4.00 P.M. and continued so till 6.20 P.M. when it became light again. Some of the snow melted soon after it fell causing the streets and walks to be wet and slushy in the late afternoon

Prepared by J.H.R.
Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 15 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	15	14	12	11	10	10	12	13	15	16	17	19
State of weather: Nature of precipitation and time of beginning and ending											d SB 10.10	SE 11.30
Amounts of precipitation											T	T
Cloudiness and other conditions	← Clear											
Sunshine (in tenths of hours)						0	0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	N	NW	NW
Wind movement	12	10	9	9	11	11	11	13	14	14	14	15

Sunrise: Time, 5.53; Character, Clear

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	20	21	22	22	23	22	20	19	18	16	15	14
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	× Pt Cloudy						× Clear →					
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.6	0.3 .12 0.5 .78	0						
Wind direction	NW	N	NW	NW	N	N	N	N	W	NW	NW	NW
Wind movement	15	14	13	14	12	8	3	4	6	6	6	6

Sunset: Time, 5.47; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
23	10	16	

Total depth of snow for 24 hours ending 7 p. m., 0.3 inches.

Snow on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 11.2

Possible sunshine, hours, 11.9

Percentage of possible sunshine, 94

Prevailing direction N

Total movement, 252

Average hourly velocity, 10.5

Maximum velocity, 19 Direction, NW Time. Began 12.40 P.M.

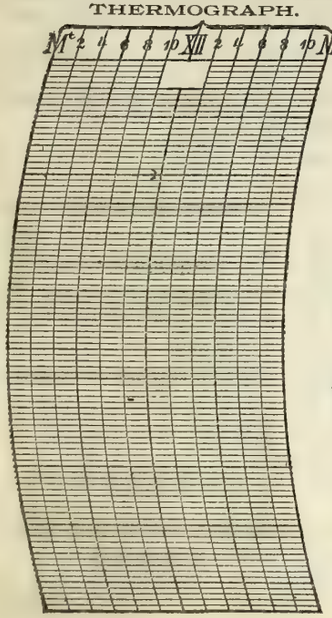
Extreme velocity, 19 NW 12.40 P.M.

Relative humidity, 76 a. m., 59 p. m.

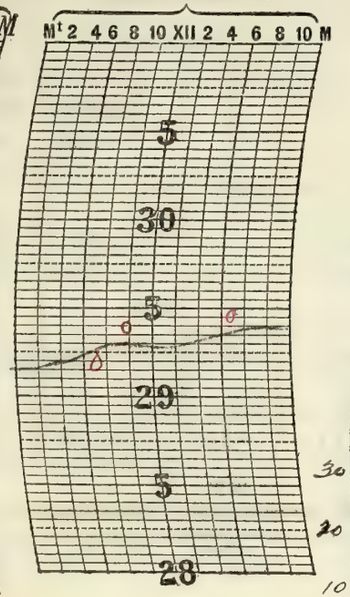
Reduced barometer, 30.22 a. m., 30.33 p. m.

River gage, 4.4 ft.

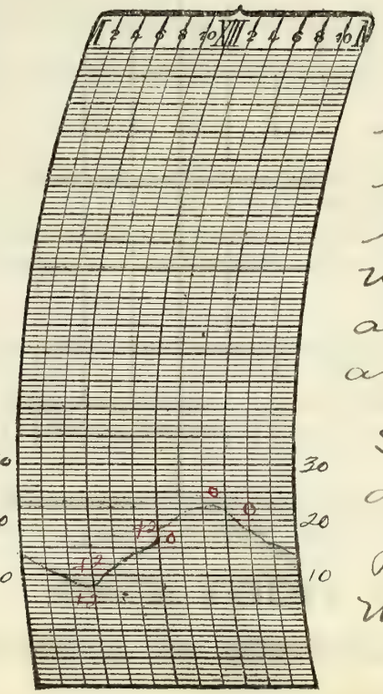
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Much thawing, in places exposed to the sun, occurred during the day. The streets and walks in the business section of the city nearly free from snow. The streets and walks were slippery from snow and ice after 5.00 P.M. in many places.

Snow in air, from 10.10 A.M. to 11.30 A.M. at intervals

H. St. and St. Cu clouds prevailed during most of the day.

Prepared by H.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 16 1916 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	13	12	12	12	12	10	15	18	21	25	27	28	29	30	31	30	30	29	28	27	25	23	22	20
State of weather: Nature of precipitation and time of beginning and ending																	d SB 4.30	d SE 5.50						
Amounts of precipitation																	T	T						
Cloudiness and other conditions						←		Pt Cloudy						Pt Cloudy					× Clear					→
Sunrise: Time, Character,	5.51 Cloudy																							
Sunset: Time, Character,																					5.48 Cloudy			
Sunshine (in tenths of hours)						0	0	0.4	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0	0						
Wind direction	NW	W	W	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW	NW	N
Wind movement	6	4	5	3	4	6	5	7	11	12	13	13	17	16	15	15	12	9	9	10	7	8	8	6
Maximum velocities (exceeding 20 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	31	10	20.0	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 6.9

Possible sunshine, hours, 12.0

Percentage of possible sunshine, 58

Prevailing direction SW

Total movement, 222.1

Average hourly velocity, 9.2

Maximum velocity,	Direction,	Time.
20	W	Began 1.30 P.M.

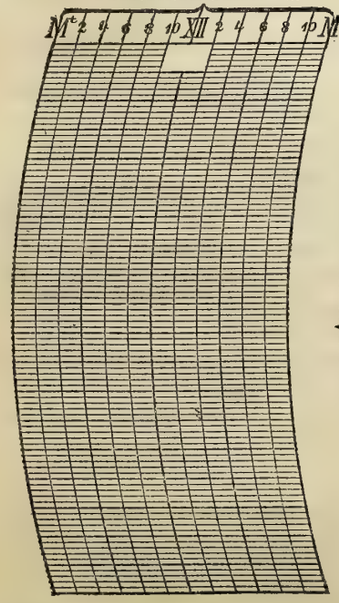
Extreme velocity, 20 — W — 1.30 P.M.

Relative humidity, 72 a. m. 77 p. m.

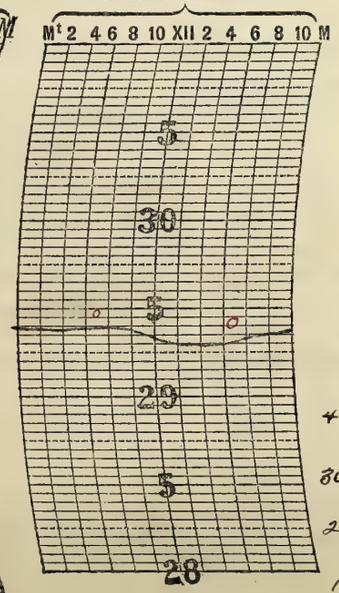
Reduced barometer, 30.36 a. m. 30.28 p. m.

River gage, 4.2 ft.

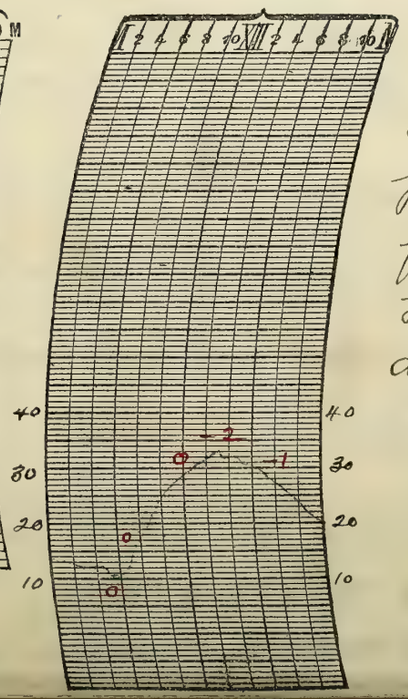
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Much thawing occurred during the day. Except in some well protected places, the streets and walks were free from snow and ice by 7.00 P.M. Light snow fell during the late afternoon. Amount T.

Prepared by J.H.R.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 17 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	19	18	17	15	13	11	9	10	12	15	18	20	21	21	23	23	24	23	21	20	20	20	19	19
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear							Clear							Clear				
Sunshine (in tenths of hours)						.8	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0						
Wind direction	N	N	N	N	N	N	N	N	NE	NE	NE	N	NE	NE	NE	NE	NE	NE	E	NE	E	E	E	E
Wind movement	6	6	7	6	6	5	10	11	10	8	8	6	4	7	6	7	6	6	7	7	6	7	7	8

Sunrise: Time, 5.49; Character, Clear

Sunset: Time, 5.50; Character, Cloudy

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
24	9	16	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 10.4

Possible sunshine, hours, 12.0

Percentage of possible sunshine, 87

Prevailing direction NE

Total movement, 167

Average hourly velocity, 7.0

Maximum velocity,	Direction,	Time.
15	NE	Began 7.58 AM

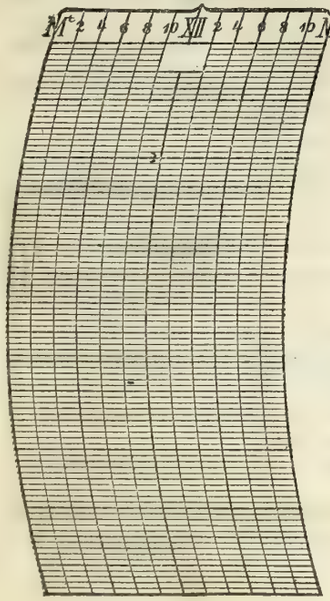
Extreme velocity, 15 – NE – 7.58 AM

Relative humidity, 69 a. m., 63 p. m.

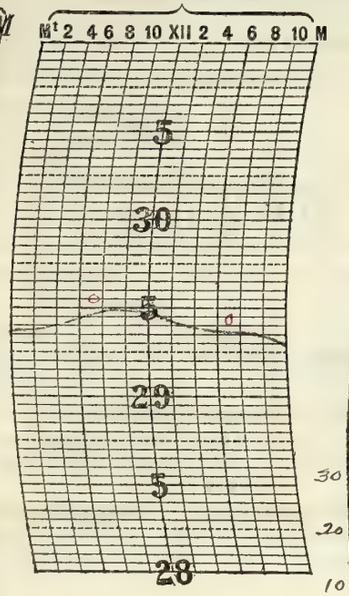
Reduced barometer, 30.44 a. m., 30.35 p. m.

River gage, 3.9 ft.

THERMOGRAPH.



BAROGRAPH.



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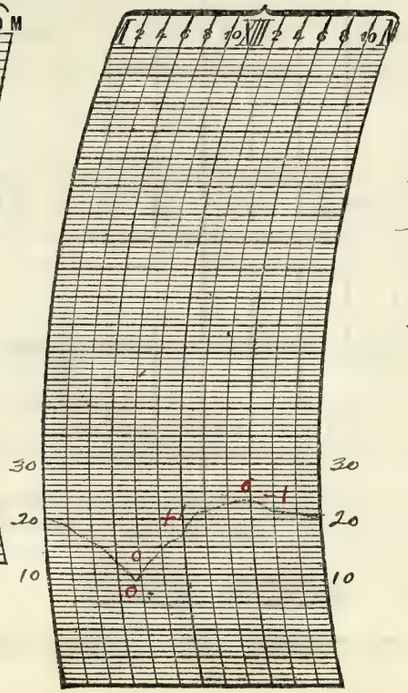


NOTES.

Some thawing occurred during the day. Streets and walks in well protected places still covered with snow and ice.

Some Ci. St. clouds prevailed during the late afternoon.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 18 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	21	20	20	20	19	19	20	22	24	26	30	33	35	36	37	38	37	35	32	31	30	29	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy									Cloudy									
Sunrise: Time, 5.48 Character, Cloudy																					Sunset: Time, 5.51 Character, Cloudy			
Sunshine (in tenths of hours)						0	0	0	0	0	0.1	0.4	0	0.2	0.3	0.1	0	0						
Wind direction	E	SE	SE	E	E	E	E	E	E	E	E	E	E	NW	NW	W	W	NW	NW	NW	NW	NW	W	SW
Wind movement	6	5	7	6	4	8	7	10	9	8	6	6	3	4	5	9	9	8	11	16	12	8	7	9
Maximum velocities (exceeding 7 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
38	19	28	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to T p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10), 9

Actual sunshine, hours, 1.1

Possible sunshine, hours, 12.0

Percentage of possible sunshine, 9

Prevailing direction E

Total movement, 188

Average hourly velocity, 7.8

Maximum velocity,	Direction,	Time.
23	NW	Began 7.17 P.M.

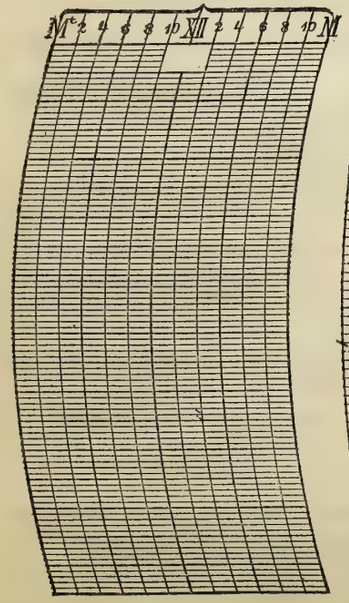
Extreme velocity, 23 NW 7.17 P.M.

Relative humidity, 75 a. m. 68 p. m.

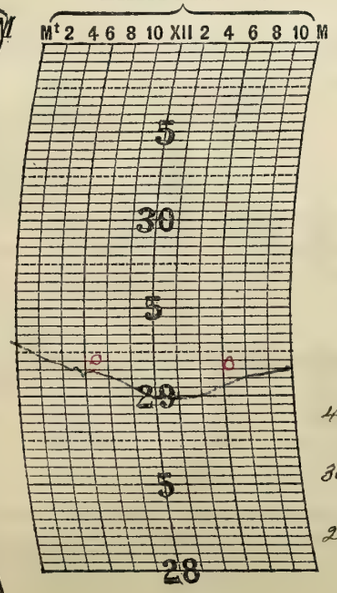
Reduced barometer, 30.08 a. m. 30.01 p. m.

River gage, 3.5 ft

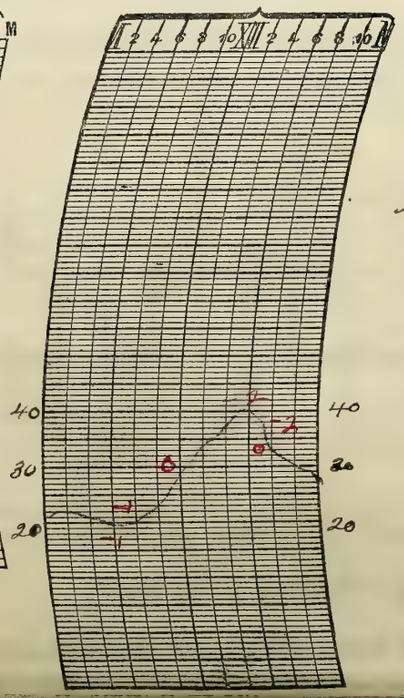
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Little thawing occurred during the day. Ci. and Ci St. Clouds prevailed during the day.

Prepared by J.L.T.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 19 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	29	29	30	28	26	24	25	26	27	28	29	31	33	34	37	36	35	33	30	29	28	27	26	25
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear							Clear									
Sunrise: Time, 5.46 Character, Clear																					Sunset: Time, 5.52 Character, Clear			
Sunshine (in tenths of hours)						0.23	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.67						
Wind direction	W	W	NW	NW	N	NW	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	13	10	11	11	11	9	7	10	10	13	9	12	10	12	12	13	13	11	8	8	5	4	3	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
37	24	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, Full Moon 11.27 A.

Average daily cloudiness (0–10) Few

Actual sunshine, hours, 12.1

Possible sunshine, hours, 12.1

Percentage of possible sunshine, 100

Prevailing direction NW

Total movement, 229

Average hourly velocity, 9.5

Maximum velocity, 16 Direction, NW Time. Began 3.48 P.M.

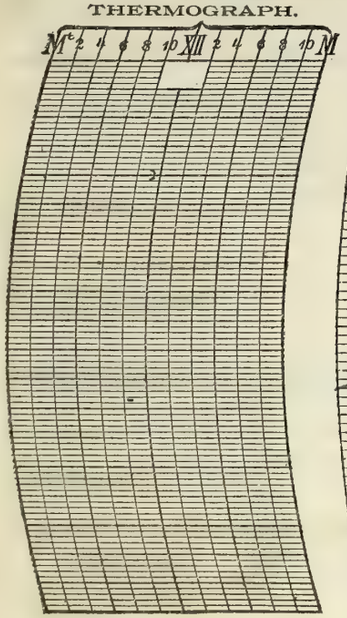
Extreme velocity, 17 – NW – 3.45 P.M.

Relative humidity, 58 a. m., 58 p. m.

Reduced barometer, 30.30 a. m., 30.38 p. m.

River gage, 3.7 ft.

THERMOGRAPH.



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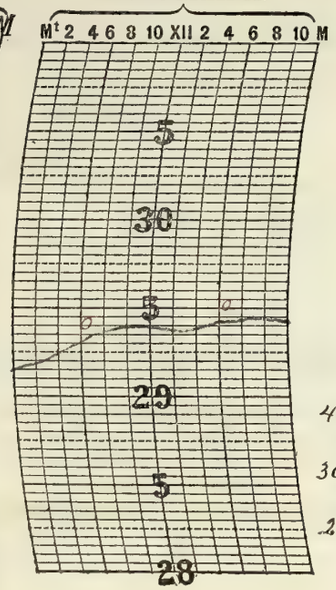

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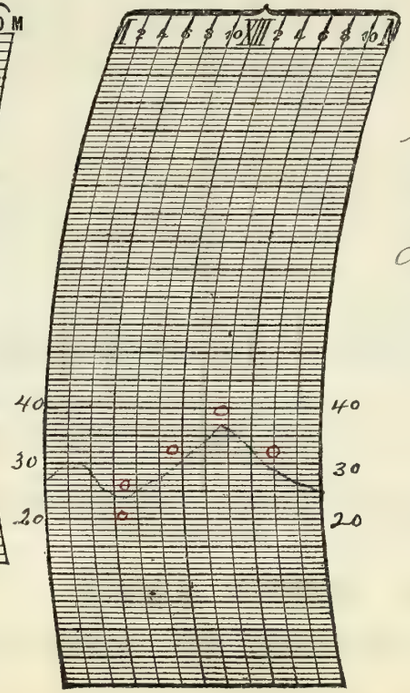


NOTES.

Few ci clouds prevailed during the day.
Little thawing occurred during the day

Prepared by HHC.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 20 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	23	24	24	24	25	27	29	32	34	37	36	38	38	38	37	37	35	34	35	37	37	36	36
State of weather: Nature of precipitation and time of beginning and ending																RB 3.00	RL 4.40 RL 5.13 RL 5.40	RY SL 5.15 RS SL RL 5.50 R						
Amounts of precipitation																—	—	—						
Cloudiness and other conditions								Cloudy							Cloudy									
Sunshine (in tenths of hours)						0	0	0	0.1	0	0	0	0.3	0	0	0	0	0						
Wind direction	NE	NE	E	E	E	SE	SE	SE	SE	SE	S	S	S	S	S	S	SE	SE	E	SE	SE	S	S	S
Wind movement	5	4	4	5	4	5	7	8	11	15	15	19	21	15	13	5	9	8	3	3	3	5	5	4
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 5.44 Character, Cloudy

Sunset: Time, 5.53 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
38	23	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 4

Possible sunshine, hours, 12.2

Percentage of possible sunshine, 3

Prevailing direction SE, S

Total movement, 196

Average hourly velocity, 8.2

Maximum velocity, 25 Direction, S Time. Began 12.26 P.M.

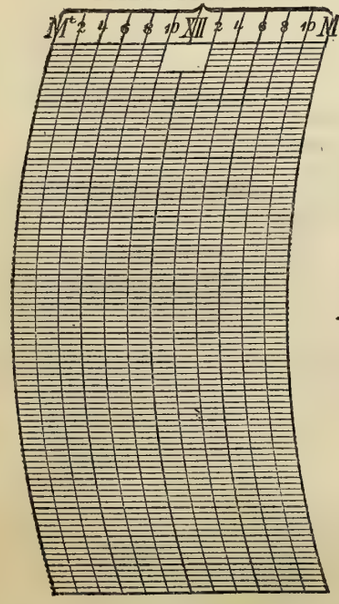
Extreme velocity, 25 — S — 12.26 P.M.

Relative humidity, 63 a. m. 80 p. m.

Reduced barometer, 30.29 a. m. 29.89 p. m.

River gage, 3.6 ft

THERMOGRAPH.



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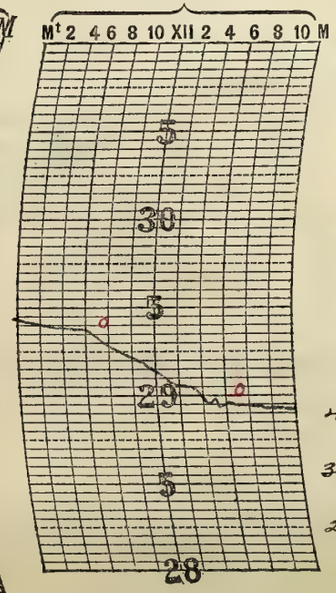

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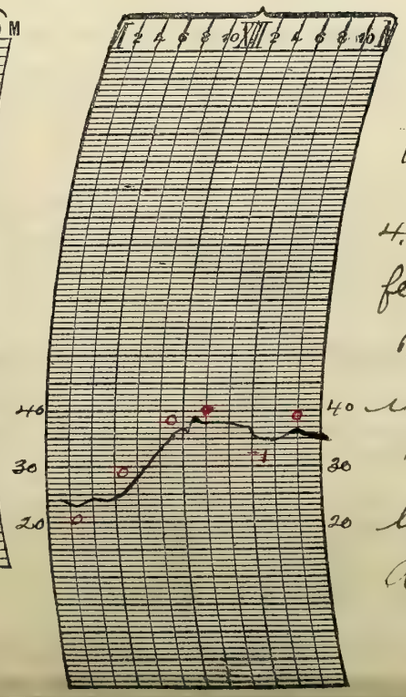


NOTES.

Rain fell at intervals from 3.00 P. to 4.40 P. and from 5.15 P. to 5.50 P.M.

Rain accompanied by some sleet fell from 4.40 P. to 5.15 P.M. The sleet soon melted after it fell and the amount was T.

The streets and walks were free from ice and snow at 7.00 P.M.

The sun shone through openings in the A.St. clouds at intervals during the day until 2.00 P.M.

Prepared by H.T.C.

Verified by

8—428

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 21 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	35	34	34	34	34	33	34	37	40	45	48	49	50	51	50	49	47	46	44	42	40	39	37	36
State of weather: Nature of precipitation and time of beginning and ending																						RB DN		
Amounts of precipitation																						—	—	—
Cloudiness and other conditions					←	Clear			→	Cldy		→	Cloudy					Cloudy						
Sunshine (in tenths of hours)						0	0	0	0	0.7	1.0	1.0	1.0	0.1	0	0	0	0						
Wind direction	S	S	S	S	S	S	S	S	SE	E	SE	S	S	S	NE	NE	NE	E	E	E	NE	NE	NE	NE
Wind movement	2	1	2	1	2	2	1	2	3	3	5	6	5	3	4	6	7	6	11	13	12	13	19	21
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.43 Character, Cloudy

Sunset: Time, 5.54 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	57	33	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .20 x inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 3.8

Possible sunshine, hours, 12.2

Percentage of possible sunshine, 31

Prevailing direction S.

Total movement, 152

Average hourly velocity, 6.3

Maximum velocity, 28 Direction, N Time. Began 11.24 P.M.

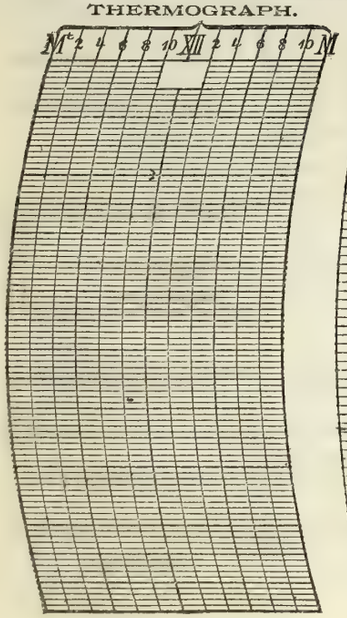
Extreme velocity, 28 - N - 11.24 P.M.

Relative humidity, 86 a. m. 78 p. m.

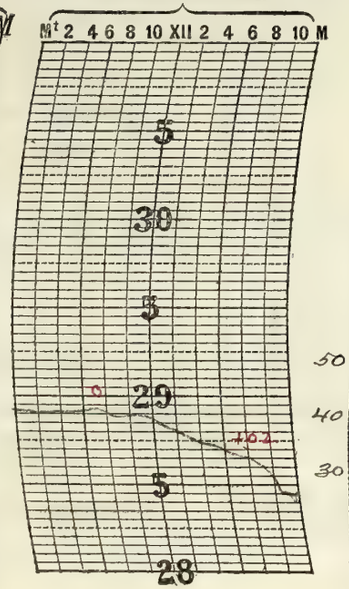
Reduced barometer, 29.85 a. m. 29.61 p. m.

River gage, 3.5 ft.

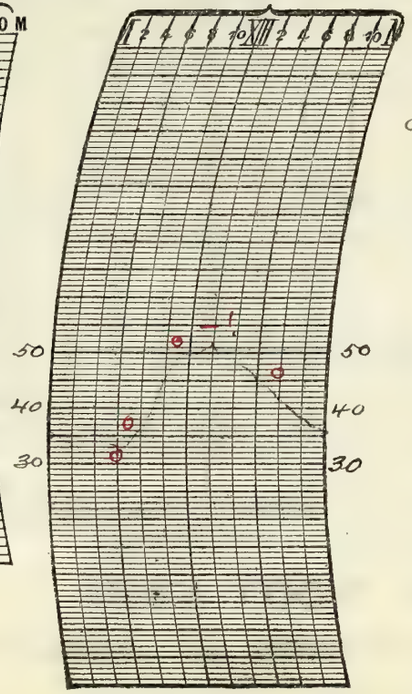
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



x estimated

NOTES.

Thunder was first heard at 11.24 P.M. and continued into the next day

Prepared by J.H.C.

Verified by P.M.C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 2 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	35	35	34	33	32	33	32	31	30	29	29
State of weather: Nature of precipitation and time of beginning and ending								RE 7.45 SB 7.45				
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions				—	Cloudy							
Sunrise: Time, Character,	5.41 Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.1
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N
Wind movement	19	18	20	22	21	22	22	24	24	25	23	16
Maximum velocities (exceeding 29 miles) direction and time				30 NE 3.14			31 NE 6.16			30 NE 9.15		

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	29	30	31	33	32	30	29	26	23	21	20	19
State of weather: Nature of precipitation and time of beginning and ending	SE 12.10					SB 5.30 SNE 5.40						
Amounts of precipitation	T					T						
Cloudiness and other conditions		× Pt Cldy			×		Cldy		→			
Sunset: Time, Character,									5.55 Cloudy			
Sunshine (in tenths of hours)	0.6	0.6	1.0	0.9	0.7	0						
Wind direction	N	N	N	N	N	N	N	NW	NW	NW	N	NW
Wind movement	19	18	18	17	15	11	10	14	13	10	8	5

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
36	19	28	

Total depth of snow for 24 hours ending 7 p. m., 1.0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 1.0 inches.

Precipitation to 7 a. m., .57 ins.; to 7 p. m., .07 ins.

Total precipitation, midnight to midnight, .44× inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 3.9

Possible sunshine, hours, 12.2

Percentage of possible sunshine, 32

Prevailing direction NE

Total movement, 414

Average hourly velocity, 17.2

Maximum velocity, 31 Direction, NE Began 6.16 AM

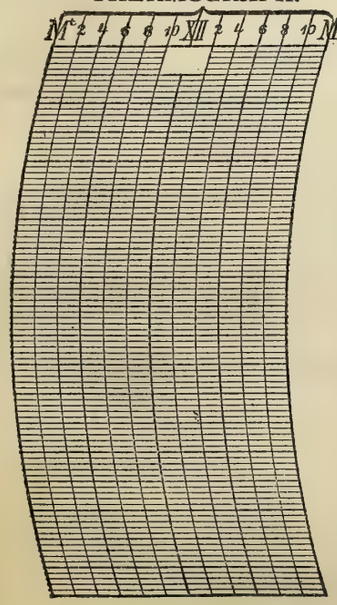
Extreme velocity, 32 NE 6.17 AM

Relative humidity, 100 a. m., 72 p. m.

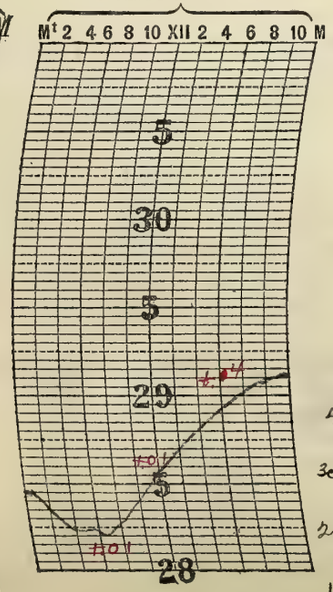
Reduced barometer, 29.13 a. m., 29.94 p. m.

River gage, 5.4 ft.

THERMOGRAPH.



BAROGRAPH.



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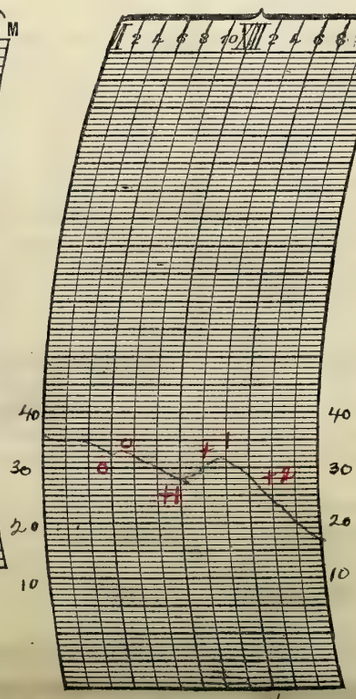


× estimated.

NOTES.

Last thunder was heard at 1.30 A.M. and the rain ceased at 7.45 A.M.

The rain during the early morning was driven by high and somewhat gusty winds.

Light snow which fell during the forenoon was accompanied by high and somewhat gusty winds.

The following warning was received from "C O" at 9.30 A.M. "much colder tonight with cold wave." The cold wave flag was hoisted and displayed the remainder of the day and it was disseminated in the morning forecast the press and by phone.

The streets and walks were wet and slushy from melting snow during the afternoon and by sunset in the business section the snow had practically disappeared from the streets and walks.

Prepared by H.T.C.

Verified by A.M.E.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 23 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	18	17	16	16	15	14	18	20	22	25	27	31	31	33	37	36	36	35	33	32	32	31	31	31
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear					→ Pt cldy						Pt Cloudy →								
Sunshine (in tenths of hours)						.35 0	1.0 0	08 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	W	NW	N	NE	E	SE	SE	S	SE	E	E	E	E	E	E	E	E
Wind movement	5	5	4	4	4	3	3	2	4	4	6	5	5	5	6	5	5	6	8	7	8	8	7	6

Sunrise: Time, 5.39; Character, Clear

Sunset: Time, 5.56; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
37	14	26	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 10.2

Possible sunshine, hours, 12.3

Percentage of possible sunshine, 83

Prevailing direction E.

Total movement, 125

Average hourly velocity, 5.2

Maximum velocity, 9 Direction, E Time. Began 9.29 P.M.

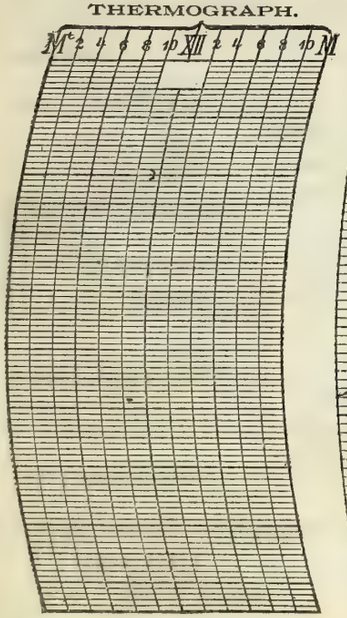
Extreme velocity, 9 – E – 9.29 P.M.

Relative humidity, 87 a. m. 69 p. m.

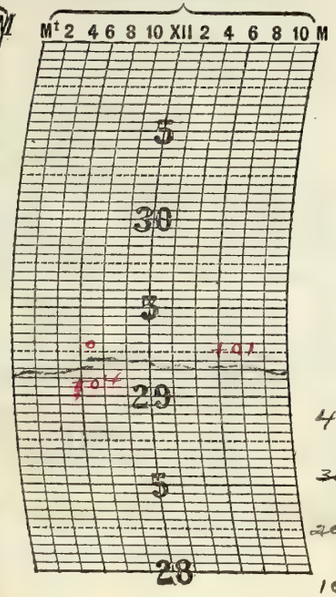
Reduced barometer, 30.16 a. m. 30.14 p. m.

River gage, 12.5 ft.

THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.

NOTES.

Except in well protected places the streets and walks in the business section were free from snow and ice by sunset.

Prepared by H.P.C.
Verified by R.M.O.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 24 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	33	33	33	34	36	38	41	43	47	49	51	56	59	62	62	61	60	59	60	60	58	56
State of weather: Nature of precipitation and time of beginning and ending						RB 5:45 RL 5:55																		
Amounts of precipitation						T																		
Cloudiness and other conditions					←	Cloudy							→	Pt Cloudy			←	Cloudy					→	
Sunrise: Time, 5.38 Character, Cloudy																					Sunset: Time, 5.57 Character, Cloudy			
Sunshine (in tenths of hours)						0	0	0	0.2	0.2	0.5	0.1	0	0.5	1.0	1.0	0	0						
Wind direction	E	E	E	E	E	E	SE	SE	E	E	E	SE	E	SE	SE	SE	E	SE	SE	SE	SE	S	S	SE
Wind movement	6	4	8	8	7	7	6	6	5	6	6	6	5	6	8	4	4	7	9	11	10	8	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
62	31	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 3.5

Possible sunshine, hours, 12.3

Percentage of possible sunshine, 28

Prevailing direction E, SE

Total movement, 158

Average hourly velocity, 6.6

Maximum velocity, 12 Direction, SE Time. Began 7.45 P.M.

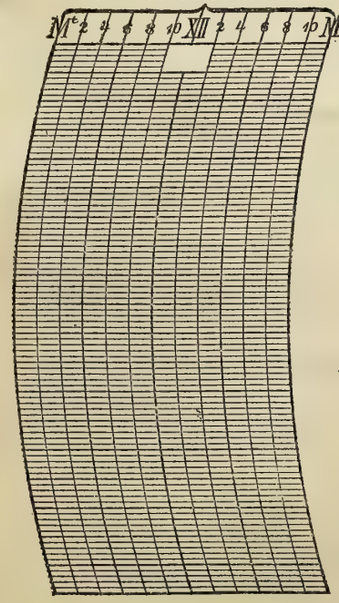
Extreme velocity, 15-SE-7.45 P.M.

Relative humidity, 73 a. m. 63 p. m.

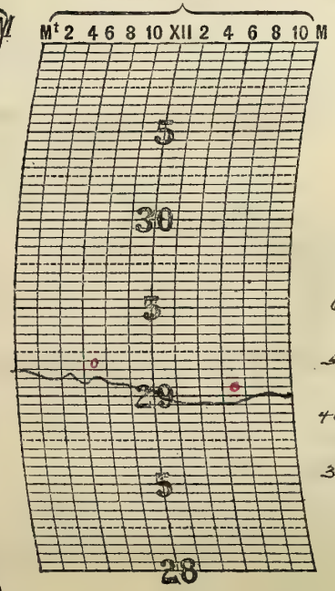
Reduced barometer, 30.03 a. m. 29.88 p. m.

River gage, 13.4 ft.

THERMOGRAPH.



BAROGRAPH.



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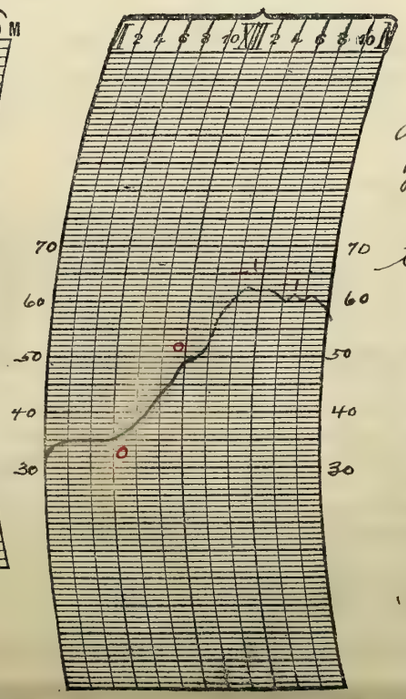


NOTES.

Ci Clouds were observed during the afternoon from 1.30 P.M. to Sunset. The snow had dis-appeared from the ground at 7.00 P.M.

Prepared by J.H.C.
Verified by P.M.G.

8—480

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAR 25 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	56	55	51	49	53	58	60	63	69	72	73	70	69	65	64	65	65	64	63	61	58	58	58
State of weather: Nature of precipitation and time of beginning and ending														RB 1.30	RE 2.15									
Amounts of precipitation														T	T									
Cloudiness and other conditions																								

Cloudy — RB Cloudy — Cloudy

Sunrise: Time, 5.36 Character, Cloudy

Sunset: Time, 5.58 Character, Cloudy

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)						0	0	0.4	0.8	1.0	1.0	1.0	0.7	0	0	0.3	0.5	0						
Wind direction	SE	S	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	SW	S	S	S	SE	SE	S	S	SW	SW	SW
Wind movement	7	7	6	4	4	5	11	10	10	12	17	17	24	16	19	15	11	12	14	8	7	9	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	49	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 5.7

Possible sunshine, hours, 12.4

Percentage of possible sunshine, 46

Prevailing direction SE, S

Total movement, 265

Average hourly velocity, 11.0

Maximum velocity, 29 Direction, S Time. Began 12.05 P.M.

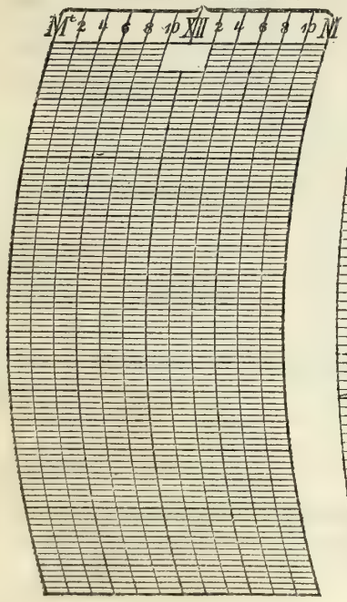
Extreme velocity, 30 – S – 12.05 P.M.

Relative humidity, 69 a. m. 77 p. m.

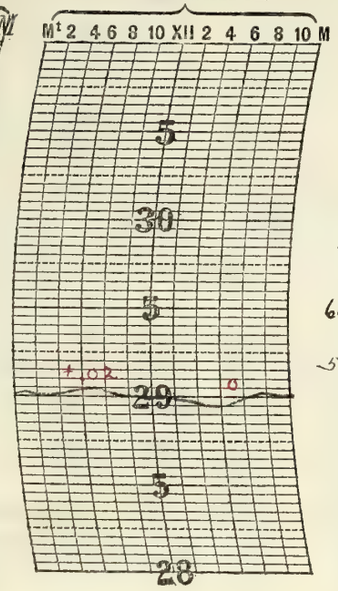
Reduced barometer, 29.93 a. m. 29.87 p. m.

River gage, 13.3 ft.

THERMOGRAPH.



BAROGRAPH.



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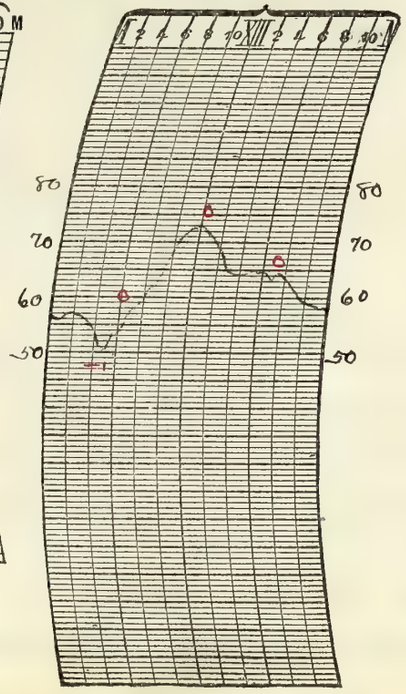


NOTES.

Rain fell at intervals from 1.30 P.M. to 2.45 P.M.

Ci. Clouds were observed from 9.00 A.M. to 11.45 A.M.

Prepared by N.T.C.

Verified by P. McQ.

8—436

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAR 26 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	56	54	54	54	52	51	51	51	52	55	57	58	57	57	57	56	54	55	53	51	49	46
State of weather: Nature of precipitation and time of beginning and ending				RB DN											RE 200				RB 620					
Amounts of precipitation				—	—	—	—	—	—	—	—	—	—	—	—				—	—	—	—	—	—
Cloudiness and other conditions							Cloudy								Cloudy									

Sunrise: Time, 5.34 Character, Cloudy

Sunset: Time, 5.59 Character, Cloudy

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	SW	S	S	SW	SW	S	S	NE	E	NE	E	E	E	E	E	NE	NE	NE	NE	S	E	NE	NE	NE
Wind movement	5	8	7	5	3	3	2	4	4	5	4	5	8	8	9	8	7	9	8	5	6	6	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
58	46	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .08 ins.; to 7 p. m., .20 ins.

Total precipitation, midnight to midnight, .68x inches.

Character of day, Cloudy Moon phase, ~~First Quarter~~ 10.22

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 12.4

Percentage of possible sunshine, 0

Prevailing direction NE.

Total movement, 140

Average hourly velocity, 5.8

Maximum velocity, 12 Direction, E Time. Began 2.31 PM

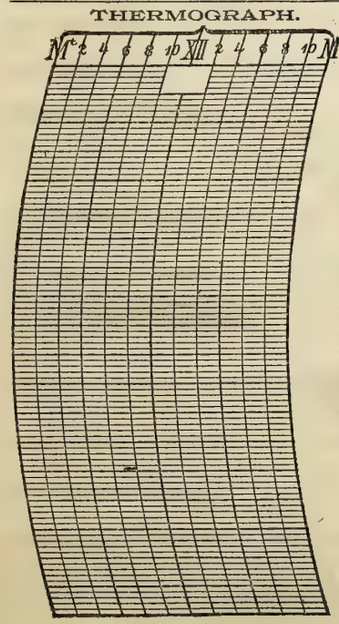
Extreme velocity, 12 - E - 2.31 PM

Relative humidity, 100 a. m., 100 p. m.

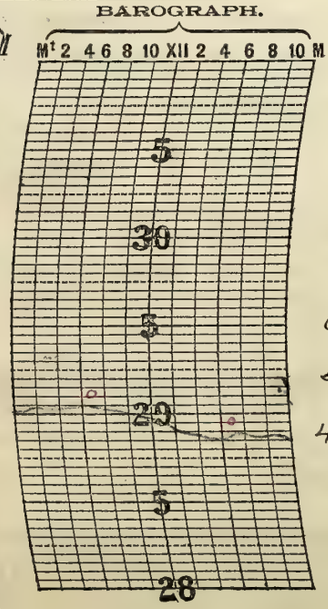
Reduced barometer, 29.93 a. m., 29.76 p. m.

River gage, 13.5 ft.

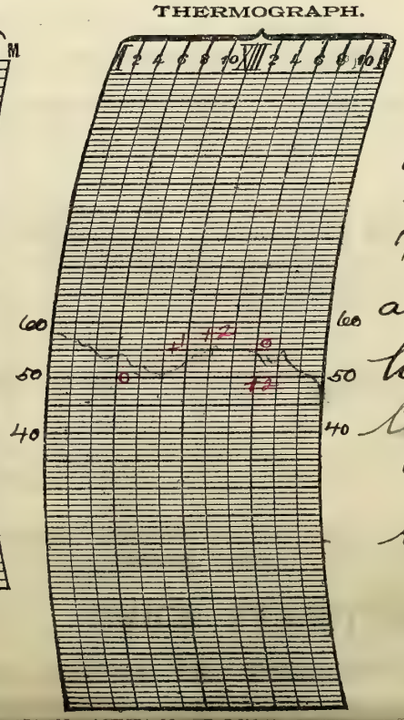
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



x estimated.

NOTES.

The following warning was received from "C.Q." at 10.30 A.M. "much colder tonight with a moderate cold wave." The warning was disseminated by 'phone and the cold wave flag was immediately hoisted and displayed the rest of the day.

The rain from 9.00 AM to 3.00 P.M. was rather light and intermittant.

Prepared by J.T.S.
Verified by P.Mex.

8—486

Form No. 1012—Mot 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAR 27 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	45	44	41	40	38	37	38	39	40	41	42
State of weather: Nature of precipitation and time of beginning and ending								RE 7.10				
Amounts of precipitation	—	—	—	—	—	—	—	T				
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 5.33 Character, Cloudy												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	N	W	N	N	NW	N	N	N	N	N	N	N
Wind movement	11	7	7	7	4	6	9	15	14	11	5	6

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	41	41	40	38	37	36	36	36	35	35	35
State of weather: Nature of precipitation and time of beginning and ending		RS 1.00 RE 1.15										
Amounts of precipitation		T										
Cloudiness and other conditions	Cloudy											
Sunset: Time, 6.00 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	N	NW	N	NW	NW	NW	NW	N	N	N	N	N
Wind movement	9	9	10	10	10	11	13	8	8	9	6	8

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
46	35	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .56 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .16 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 12.4

Percentage of possible sunshine, 0

Prevailing direction N

Total movement, 213

Average hourly velocity, 8.9

Maximum velocity, 19 Direction, N Time. Began 7.28 AM

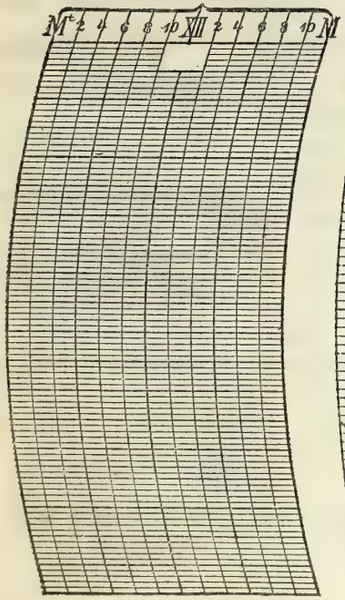
Extreme velocity, 19 N 7.28 AM

Relative humidity, 100 a. m. 91 p. m.

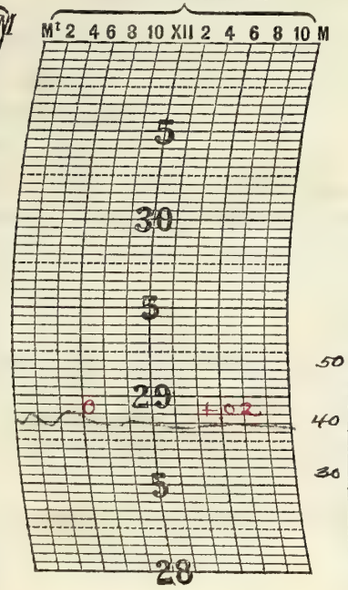
Reduced barometer, 29.76 a. m. 29.83 p. m.

River gage, 15.8 ft.

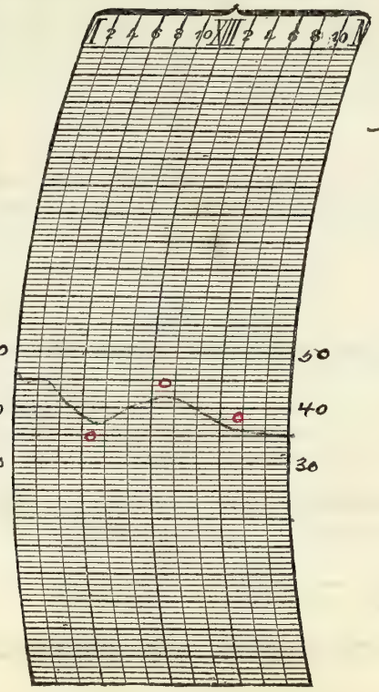
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The air was rather damp and somewhat chilly.
The day was dark and dreary.

Prepared by H.T.C.
Verified by P. Mex.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAR 28 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	35	35	35	36	36	37	38	39	39	39
State of weather: Nature of precipitation and time of beginning and ending	RB DN				RE DN							RB 11.25
Amounts of precipitation	–	–	–	–	–							T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	5.31 Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	N	NW	NW	NW	NW	N	N	N	N	N	N	N
Wind movement	7	4	6	7	8	8	8	8	8	7	9	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	40	41	41	41	40	39	39	39	39	39	39
State of weather: Nature of precipitation and time of beginning and ending		RE 2.00				RB 5.25						RE DN
Amounts of precipitation	T	T				T	T	T	T	T	T	T
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									6.01 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	8	7	9	9	9	8	8	8	7	9	9	9

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	41	35	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .20 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .20 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 12.5

Percentage of possible sunshine, 0

Prevailing direction N

Total movement, 189

Average hourly velocity, 7.9

Maximum velocity, 13 Direction, N Time. Began 3.05 PM.

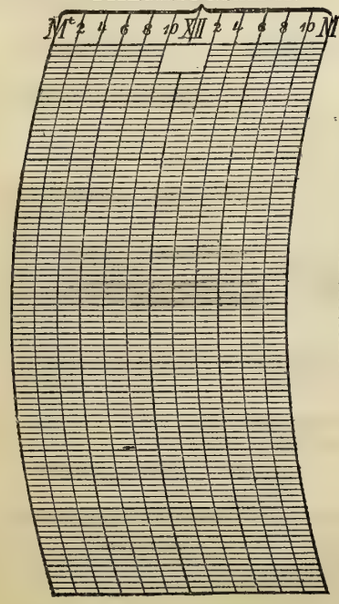
Extreme velocity, 13 – N – 3.05 PM.

Relative humidity, 94 a. m. 100 p. m.

Reduced barometer, 29.80 a. m. 29.91 p. m.

River gage, 17.6 ft

THERMOGRAPH.



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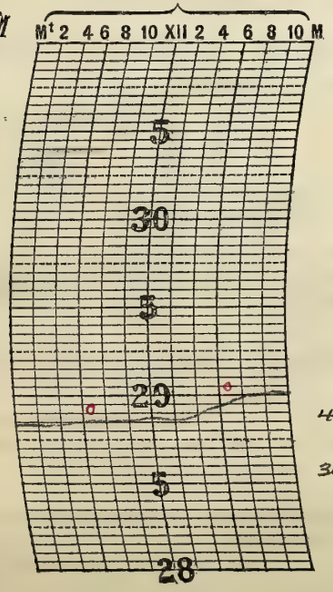

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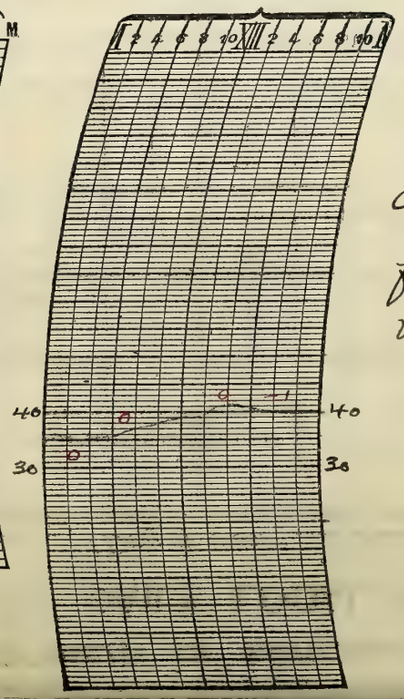


NOTES.

The day was dark and dreary. The rain which fell during the day and the evening was in the form of mist except from 6.30 P.M. to 7.30 P.M. when light rain fell.

Prepared by HFC
Verified by PMEK.

8—486

Form No. 1012—Met. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAR 29 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	39	39	38	38	38	39	42	45	47	50	51	52	54	56	57	57	55	53	51	49	46	45	44
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy ×				P. Cldy ×			Cldy ×		P.C. ×			Clear						
Sunshine (in tenths of hours)						0	0	0.4	0.9	1.0	1.0	0.4	0.8	0.7	1.0	1.0	1.0	1.0 / 0	0.3 / 0					
Wind direction	N	N	N	N	N	N	N	N	NE	NE	NE	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	5	6	5	4	3	4	7	9	7	8	6	8	7	9	8	8	7	5	3	4	4	7	6

Sunrise: Time, 5.29; Character, Cloudy

Sunset: Time, 6.02; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	57	38	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 9.2

Possible sunshine, hours, 12.6

Percentage of possible sunshine, 73

Prevailing direction NE

Total movement, 147

Average hourly velocity, 6.1

Maximum velocity, 11 Direction, NE Time. Began 4.05 P.M.

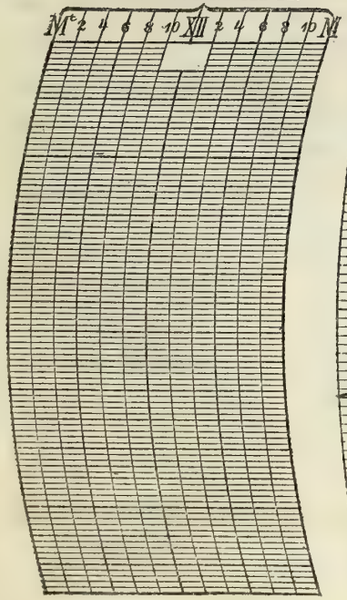
Extreme velocity, 11 - NE 4.05 P.M.

Relative humidity, 93 a. m. / 63 p. m.

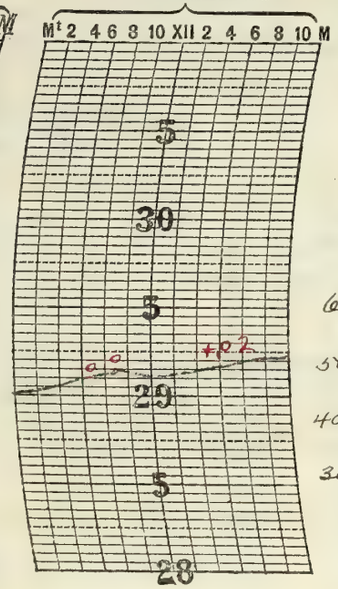
Reduced barometer, 30.03 a. m. / 30.11 p. m.

River gage, 18.1 ft.

THERMOGRAPH.



BAROGRAPH.



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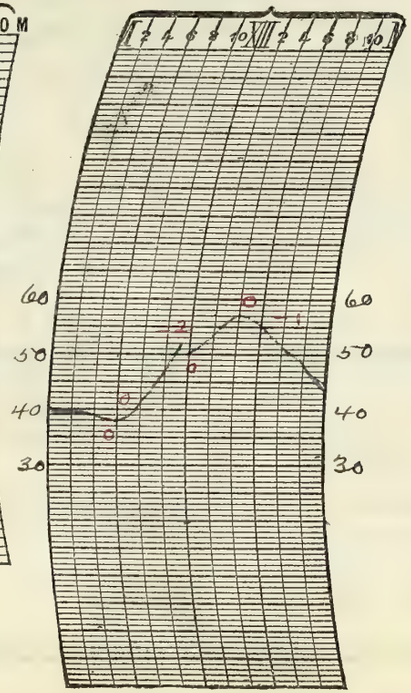


NOTES.

Prepared by H.F.S.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAR 9 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	41	39	37	35	34	35	36	37	39	44	50	54	58	59	60	60	60	58	56	54	52	51	49
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Cloudy				PC	×	Clear					Clear							→
Sunrise: Time, 5.28 Character, Cloudy																					Sunset: Time, 6.03 Character, Clear			
Sunshine (in tenths of hours)						0	0	0	0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9 0.1	0.5 0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	SE	E	E	E
Wind movement	6	7	6	5	5	4	5	4	4	3	4	4	4	5	5	5	4	3	3	4	1	4	2	7
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

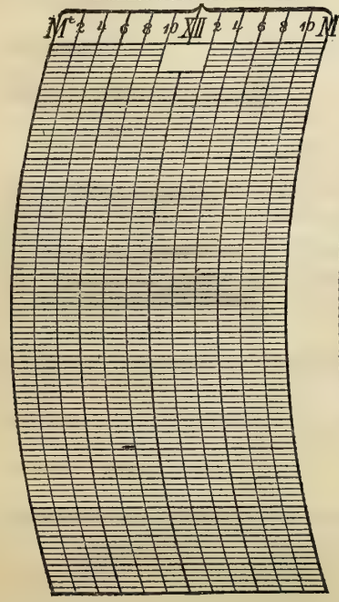
Maximum.	Minimum.	Mean.	Normal.
60	34	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10) 3
Actual sunshine, hours, 8.4
Possible sunshine, hours, 12.6
Percentage of possible sunshine, 67
Prevailing direction NE
Total movement, 104
Average hourly velocity, 4.3

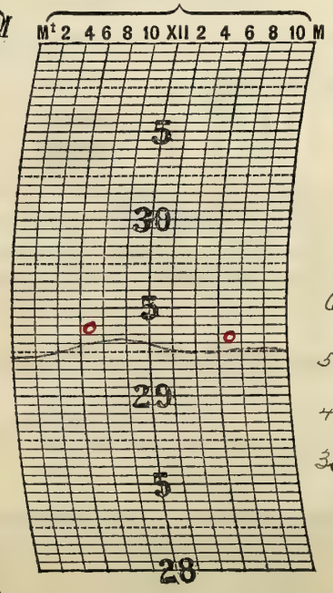
Maximum velocity,	Direction,	Time.
9	NE	Began 1.37 AM

Extreme velocity, 9 - NE - 1.37 AM.
Relative humidity, 100 a. m., 51 p. m.
Reduced barometer, 30.23 a. m., 30.21 p. m.
River gage, 18.3 ft.

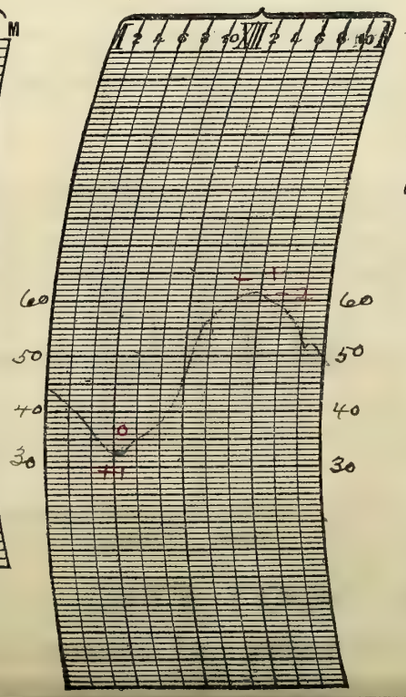
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense Fog prevailed from D.N.A. to 7.10 AM. and light fog from 7.10 A.M. to 9.20 A.M. The sky cleared at 10.30 A.M.

Prepared by J.H.C.
Verified by P.J.M.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 31 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	47	44	44	43	42	40	38	40	50	57	62	63	63	63	63	62	61	60	58	57	56	55	54	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Cldy	P.C.	Clear			×	P.Cldy		×		Cloudy					→	P.C.	Clear →		
Sunshine (in tenths of hours)						0	0	0.6	1.0	1.0	1.0	1.0	0.6	0.6	0	0	0	0	0					
Wind direction	E	E	E	E	E	E	E	E	E	S	SW	SW	SW	W	SW	SW	SW	S	SW	SW	S	S	S	S
Wind movement	7	5	5	6	5	4	4	2	3	5	10	11	12	10	7	6	5	7	8	8	7	7	9	9

Sunrise: Time, 5.26 Character, Cloudy

Sunset: Time, 6.04 Character, Cloudy

Maximum velocities (exceeding 2.9 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
63	38	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 5.8

Possible sunshine, hours, 12.6

Percentage of possible sunshine, 46

Prevailing direction E

Total movement, 162

Average hourly velocity, 6.8

Maximum velocity,	Direction,	Time.
14	SW	Began 12.08 P.M.

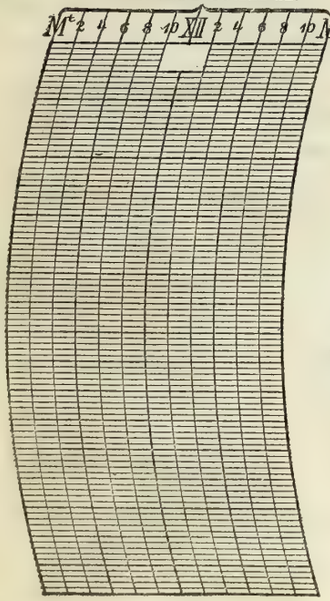
Extreme velocity, 14 - SW - 12.08 P.M.

Relative humidity, 95 a. m. 60 p. m.

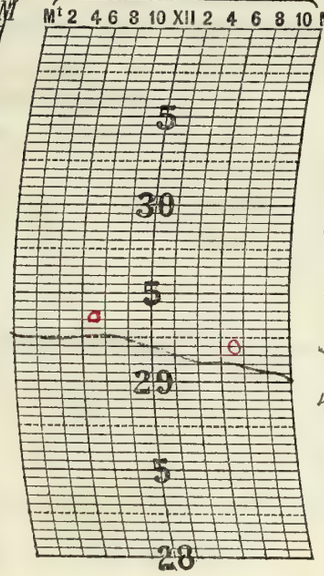
Reduced barometer, 30.17 a. m. 30.02 p. m.

River gage, 17.8 ft.

THERMOGRAPH.



BAROGRAPH.



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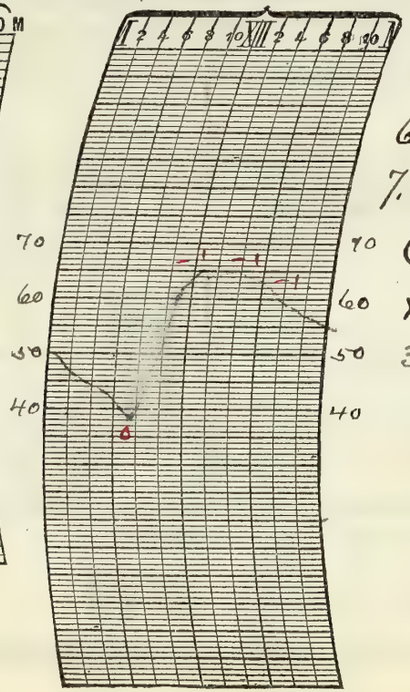


NOTES.

Dense fog prevailed from D.N.A. to 6.30 A.M. and light fog from 6.30 A.M. to 7.50 A.M.

Ci Clouds prevailed from 8.30 A.M. to 1.30

X T.B. raingage was replaced on roof at 3.00 P.M.

Prepared by J.F.C.

Verified by P. Moe

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 1 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	53	53	52	52	48	46	44	43	44	44
Nature of precipitation and time of beginning and ending						RB 5.45					RE 10.35	
Amounts of precipitation						.01	.10	.04	.03	.08	T	
Cloudiness and other conditions					← Cloudy							
Sunrise: Time, 5.24 Character, Cloudy												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	S	SW	SW	SW	SW	SW	W	NW	W	W	W	W
Wind movement	9	8	9	8	10	14	14	12	12	9	12	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	46	49	50	51	50	47	47	45	42	42	41
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		×	Pt Cloudy			×	Clear				→	
Sunset: Time, 6.06 Character, Cloudy												
Sunshine (in tenths of hours)	0	0.2	1.0	1.0	1.0	0.3	0					
Wind direction	W	W	W	W	W	NW	NW	NW	NW	SW	W	W
Wind movement	16	13	13	14	13	10	5	4	3	6	5	4

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
54	41	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .10 ins.; to 7 p. m., .16 ins.

Total precipitation, midnight to midnight, .26 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 3.5

Possible sunshine, hours, 12.7

Percentage of possible sunshine, 28

Prevailing direction W

Total movement, 239

Average hourly velocity, 10.0

Maximum velocity,	Direction,	Time.
20	W	Began 11.12 A.M.

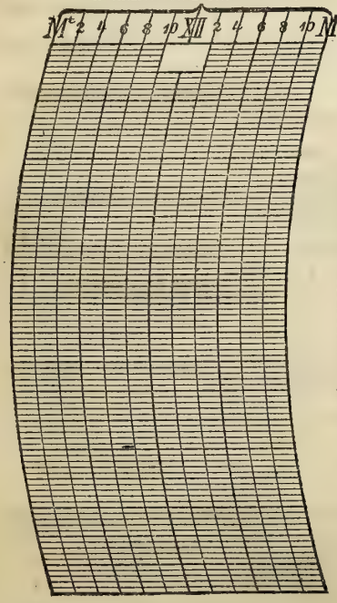
Extreme velocity, 21 — W — 11.12 A.M.

Relative humidity, 93 a. m., 59 p. m.

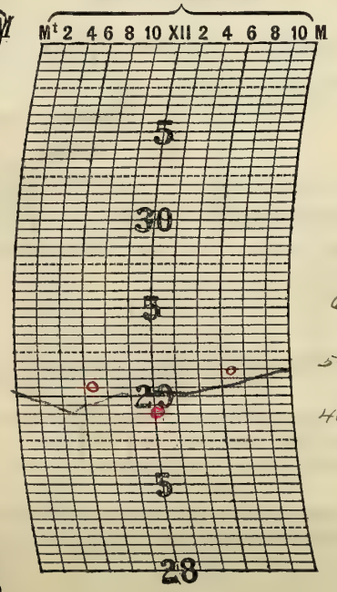
Reduced barometer, 29.85 a. m., 29.99 p. m.

River gage, 15.7 ft.

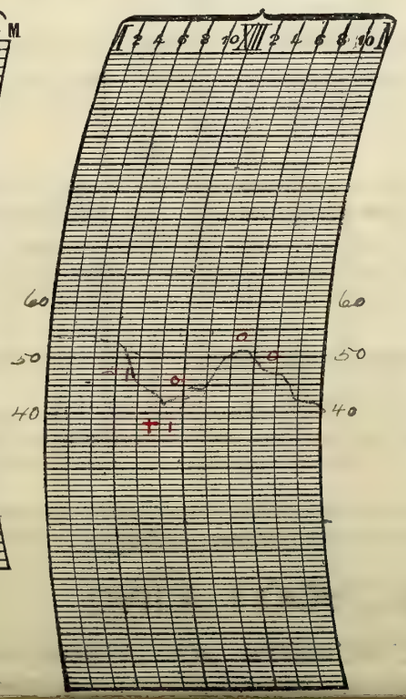
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.F.C.

Verified by O.M.E.D.

Form No. 1012—Mct 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 2 1916, 191 (

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	38	37	36	35	34	38	39	41	44	46	47	49	49	50	49	47	44	43	40	38	36	35	34
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← P. Cldy		× Clear				×	Pt Cldy			× Cloudy								→
Sunrise: Time, 5.23; Character, Clear																					Sunset: Time, 6.07; Character, Cloudy			
Sunshine (in tenths of hours)						.62 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0	0					
Wind direction	W	NW	NW	N	NE	NE	NE	NE	NE	NE	E	NE	NE	E	NE	E	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	3	3	6	5	2	3	5	9	8	8	12	11	12	13	12	13	13	12	12	12	11	11	11
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	50	34	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, New Moon 10.21 A

Average daily cloudiness (0–10) 5

Actual sunshine, hours, 10.4

Possible sunshine, hours, 12.7

Percentage of possible sunshine, 82

Prevailing direction NE

Total movement, 213

Average hourly velocity, 8.9

Maximum velocity, 17 Direction, NE Began 2.07 PM

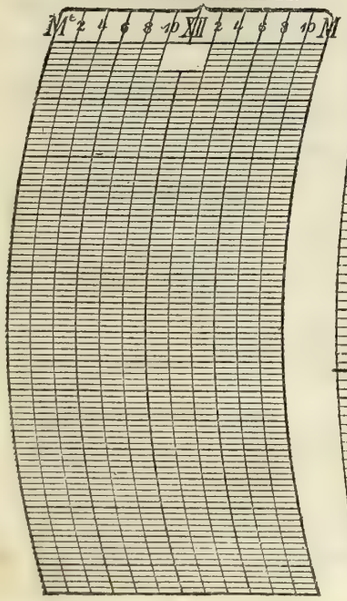
Extreme velocity, 17 - NE - 2.07 PM

Relative humidity, 75 a. m. 72 p. m.

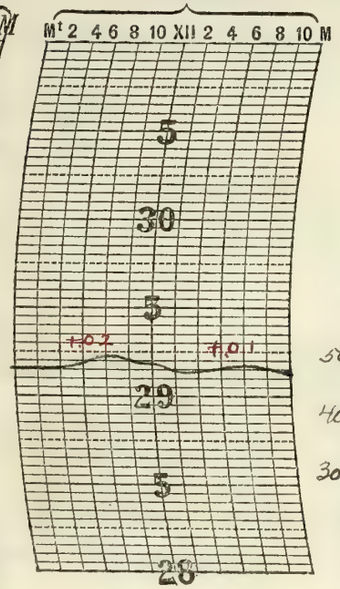
Reduced barometer, 30.25 a. m. 30.11 p. m.

River gage, 12.9 ft.

THERMOGRAPH.



BAROGRAPH.



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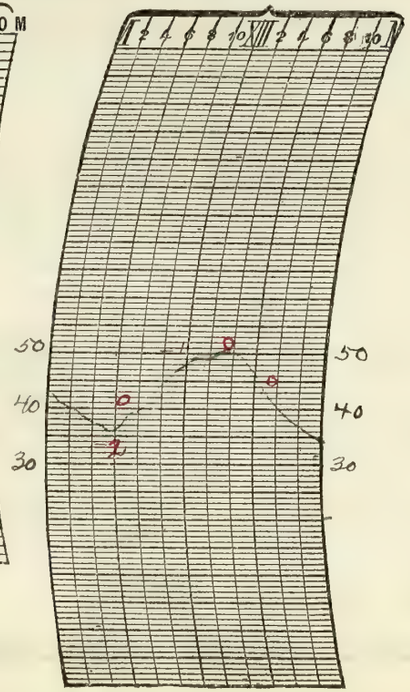


NOTES.

Mostly ci. St. clouds prevailed during the day.

Prepared by J.H.T.C.

Verified by P.M.O.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 3 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	32	32	32	34	38	43	47	49	51	52	52	53	52	50	49	47	44	43	41	40	39
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Clear				Clear		×	Cldy			×			Cloudy					→
Sunshine (in tenths of hours)						0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0	0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE	NE	NE	NE	NE
Wind movement	12	13	11	11	10	14	13	15	18	19	20	17	19	17	16	14	11	9	10	9	8	6	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.21 Character, Cloudy

Sunset: Time, 6.08 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
53	32	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 3

Actual sunshine, hours, 8.8

Possible sunshine, hours, 12.8

Percentage of possible sunshine, 69

Prevailing direction NE

Total movement, 299

Average hourly velocity, 12.5

Maximum velocity, 23 Direction, NE Time. Began 10.12 A.M.

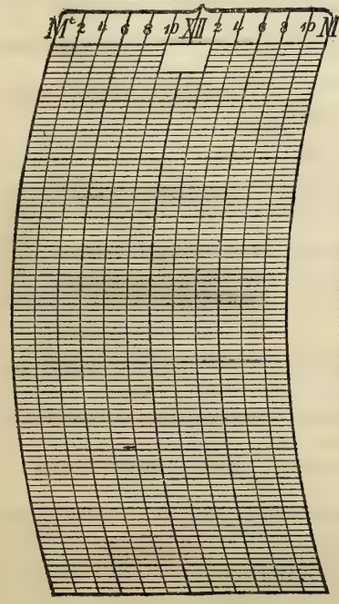
Extreme velocity, 23 - NE - 10.12 A.M.

Relative humidity, 86 a. m. 73 p. m.

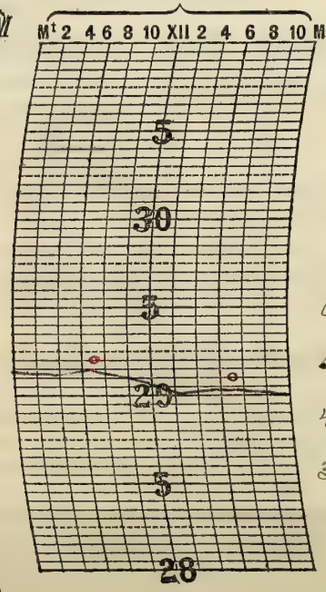
Reduced barometer, 30.07 a. m. 29.96 p. m.

River gage, 10.3 ft

THERMOGRAPH.



BAROGRAPH.



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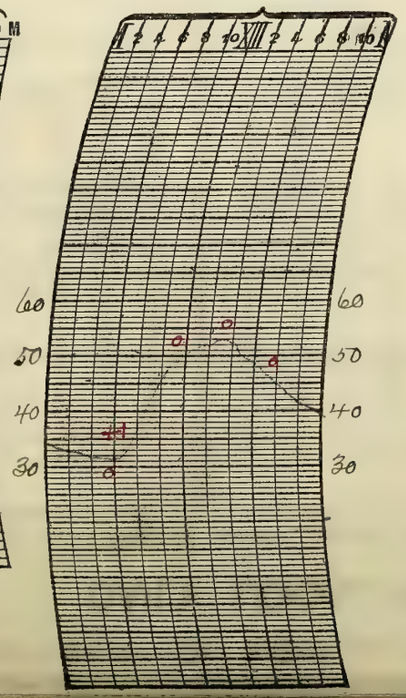


NOTES.

Prepared by H.A.C.

Verified by P.M.E.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 4 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	37	36	35	34	36	40	44	46	49	52	53	54	53	53	53	52	51	49	47	45	44	43	42
State of weather: Nature of precipitation and time of beginning and ending																						RB 9.40 RE 10.00		
Amounts of precipitation																						T		
Cloudiness and other conditions					← Cloudy × P.C. × Clear										Clear					× P.Cld × Cldy →				
Sunshine (in tenths of hours)						0	0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NW	W	W	W	NW	NW	W	W	NW	NW	W	W	W	W	NW	W	W
Wind movement	3	3	2	2	2	1	1	4	7	6	8	10	12	14	14	14	11	9	7	4	5	5	4	7

Sunrise: Time, 5.19; Character, Cloudy

Sunset: Time, 6.09; Character, Clear

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
54	34	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 9.6

Possible sunshine, hours, 12.8

Percentage of possible sunshine, 75

Prevailing direction W

Total movement, 155

Average hourly velocity, 6.5

Maximum velocity, 16 Direction, W Time. Began 1.32 PM

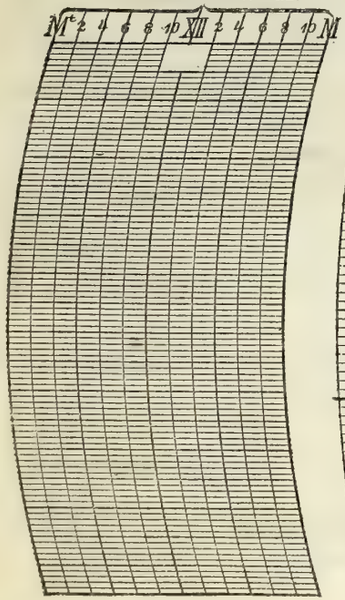
Extreme velocity, 17 – W – 1.32 PM

Relative humidity, 84 a. m., 55 p. m.

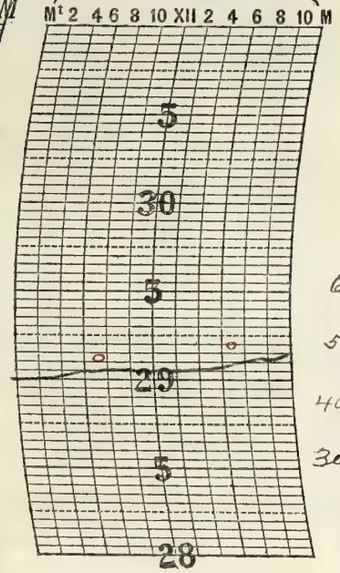
Reduced barometer, 29.99 a. m., 30.021 p. m.

River gage, 8.7 ft.

THERMOGRAPH.



BAROGRAPH.



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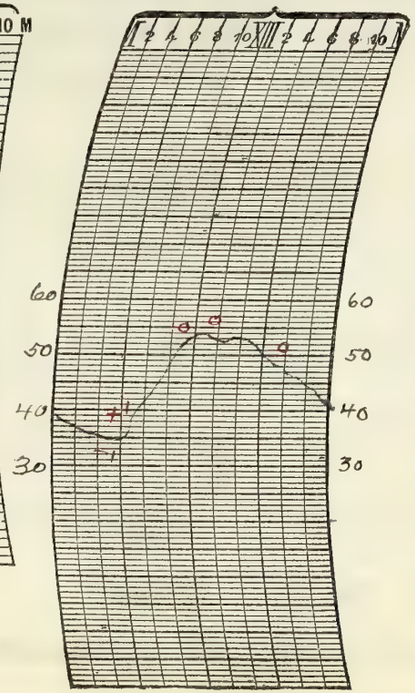


NOTES.

Prepared by J.F.C.

Verified by P.M.C.

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 5 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	39	38	37	35	36	37	40	44	46	48	51	51	52	52	52	52	51	50	49	46	42	39	38
State of weather: Nature of precipitation and time of beginning and ending																				RB 7.05				
Amounts of precipitation																				T	T	T	T	T
Cloudiness and other conditions						← Pt Cldy				×	Cloudy						Cloudy							→
Sunshine (in tenths of hours)						.72 0	0.2 0.8	0.8	1.0	0.7	1.0	1.0	1.0	1.0	1.0	0.4	0.1	0	0					
Wind direction	NW	NW	W	W	W	W	W	N	N	N	W	SW	W	W	W	W	W	W	W	SW	W	W	NW	W
Wind movement	7	5	5	4	4	4	4	4	4	3	4	7	7	10	8	10	8	8	8	8	6	10	12	12
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.17; Character, Clear

Sunset: Time, 6.10; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	52	35	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 4.7

Possible sunshine, hours, 12.9

Percentage of possible sunshine, 75

Prevailing direction W

Total movement, 162

Average hourly velocity, 6.8

Maximum velocity,	Direction,	Time.
17	NW	Began 10.14 PM

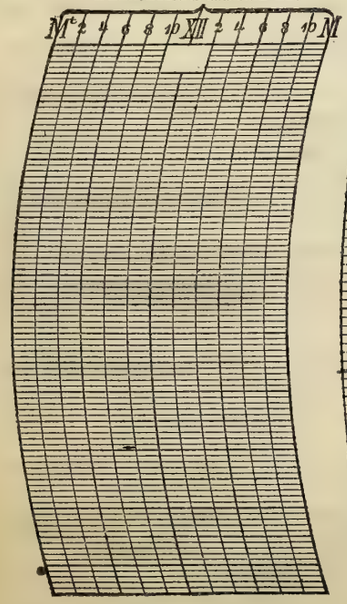
Extreme velocity, 20 – NW – 10.15 PM

Relative humidity, 84 a. m., 51 p. m.

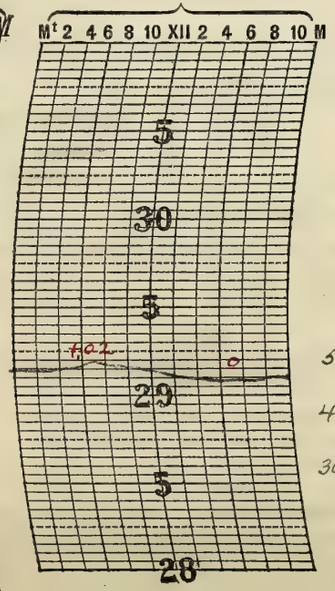
Reduced barometer, 30.15 a. m., 30.02 p. m.

River gage, 7.5 ft.

THERMOGRAPH.



BAROGRAPH.



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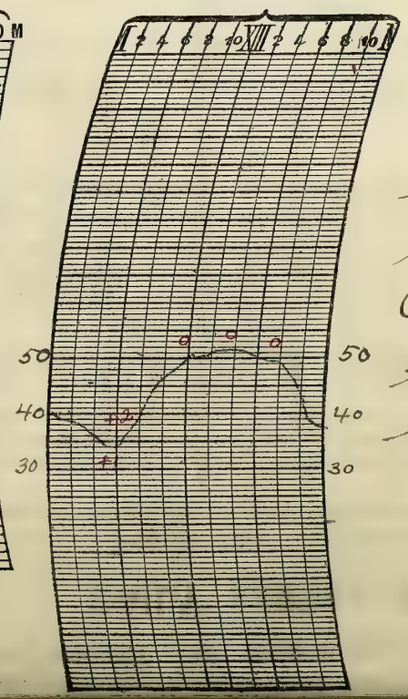


NOTES.

Ci. St. and A. St. clouds were observed during the forenoon and the sun shone through openings in the clouds during the afternoon. Occasional light rain fell during the evening and continued into the next day.

Prepared by H.T.C.

Verified by A.M.A.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 6 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	36	33	31	29	27	29	30	31	32	34	36
Nature of precipitation and time of beginning and ending		RE DN.						SB 7.45			SE 10.30	
Amounts of precipitation	T	T						T	T	T	T	
Cloudiness and other conditions						← Clear	* F.C	* Cloudy				
Sunrise: Time, Character,	5.16 Clear											
Sunshine (in tenths of hours)						.73 0	0.3 0.7	1.0	0.8	0.7	0.8	1.0
Wind direction	W	W	NW	NW	NW	NW	W	W	NW	NW	NW	NW
Wind movement	12	14	16	14	15	15	16	15	16	15	19	15

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	37	38	38	40	39	37	35	32	31	29	28	27
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×	Pt Cloudy				× Clear						
Sunset: Time, Character,									6.11 Clear			
Sunshine (in tenths of hours)	1.0	0.9	0.9	1.0	1.0	0.5 0.5	.18 0					
Wind direction	NW	NW	NW	NW	NW	N	N	N	NW	N	N	N
Wind movement	16	14	13	12	10	9	7	7	7	6	6	6

State of weather.

	Maximum.	Minimum.	Mean.	Normal.
	40	27	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 5

Actual sunshine, hours, 12.0

Possible sunshine, hours, 12.9

Percentage of possible sunshine, 9.3

Prevailing direction NW.

Total movement, 295

Average hourly velocity, 12.3

Maximum velocity, 23 Direction, W Time. Began 12.59 AM.

Extreme velocity, 24 – W – 1.00 AM.

Relative humidity, 70 a. m. 69 p. m.

Reduced barometer, 30.15 a. m. 30.24 p. m.

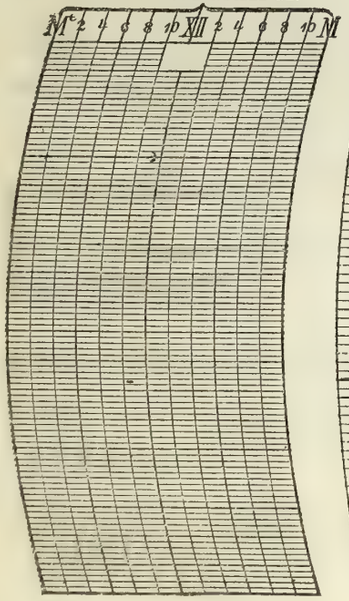
River gage, 6.5 ft.

Maximum velocities (exceeding 29 miles) direction and time

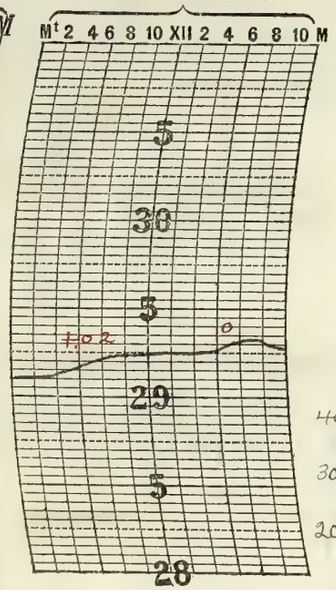
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

THERMOGRAPH.



BAROGRAPH.



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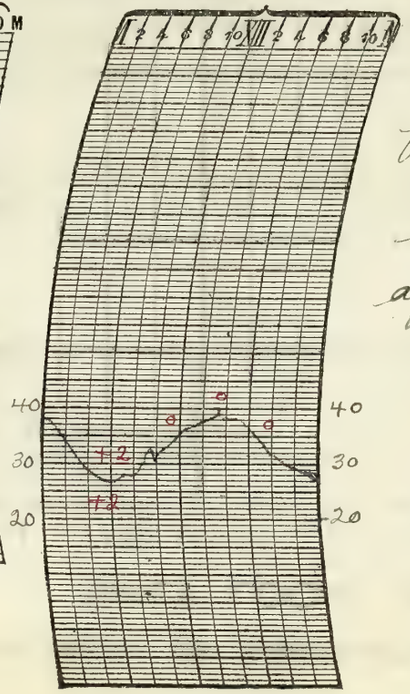


NOTES.

Snow flurries occurred during the forenoon

The sun shone through openings in the clouds during the forenoon after 8.00 A. M.

Prepared by H.A.C.

Verified by P.M.O.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Friday, (Date) APR 7 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	27	27	26	25	26	28	30	35	37	39	40	40	42	41	41	39	37	36	36	35	34	33	32	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear			× Pt Cldy		× Cloudy							Cloudy							
Sunshine (in tenths of hours)						.77 0	.09 0.1	1.0	1.0	0.9	1.0	1.0	1.0	0.1	0	0	0	0	0					
Wind direction	N	N	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	6	5	5	7	9	9	12	11	13	15	15	17	19	20	14	18	18	20	19	21	22	22	21
Maximum velocities (exceeding 2.9 miles) direction and time																								

Sunrise: Time, 5.14; Character, Clear

Sunset: Time, 6.12; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
42	25	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 7.8

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 60

Prevailing direction NE

Total movement, 349

Average hourly velocity, 14.5

Maximum velocity,	Direction,	Time.
28	NE	Began 11.02 PM

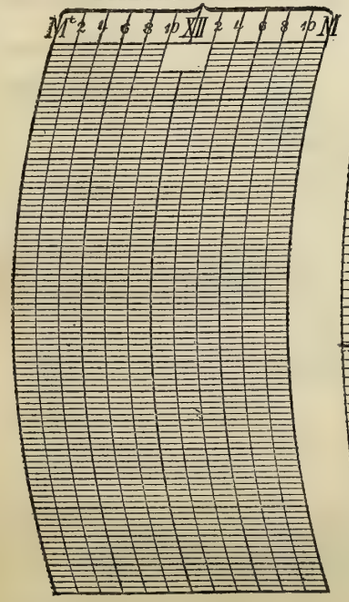
Extreme velocity, 29 – NE – 11.02 PM

Relative humidity, 62 a. m. 48 p. m.

Reduced barometer, 30.22 a. m. 29.98 p. m.

River gage, 5.7 ft.

THERMOGRAPH.



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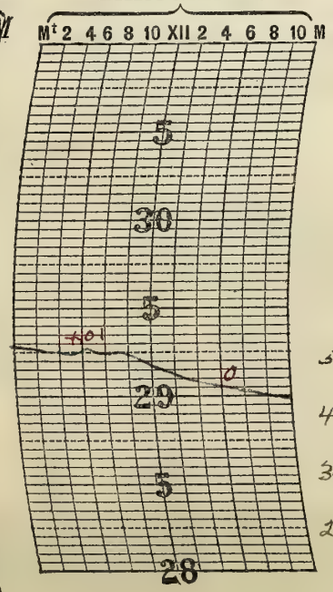
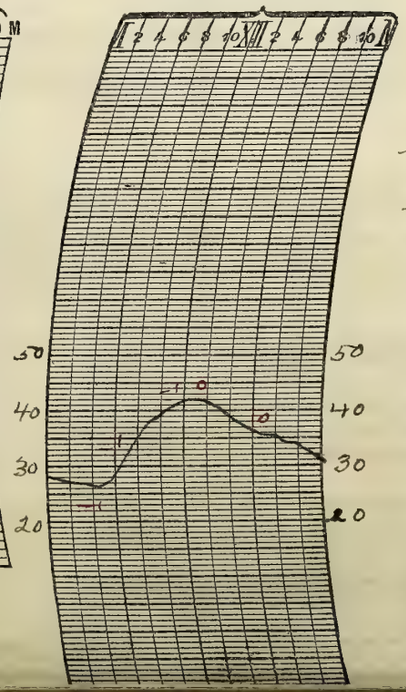


THERMOGRAPH.



NOTES.

Mostly Ci. St. and some St. clouds were observed during the day.

Prepared by J.H.C.

Verified by P.M.L.

Form No. 1014—Met. I.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Saturday, (Date) APR 8 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	31	29	28	27	27	28	28	29	29	30	31	31	33	35	35	33	33	32	32	32	31	30	30	30
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions						Cloudy										Cloudy								
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0.1	0	0	0	0	0	0					
Wind direction	NE	NE	NE	NE	NE	N	NE	N	NE	NE	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	21	21	19	16	18	18	20	20	20	22	23	18	20	20	21	17	15	14	17	14	15	16	14	14

Sunrise: Time, 5.13; Character, Cloudy

Sunset: Time, 6.13; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time _____

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts _____

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
35	27	31	

Total depth of snow for 24 hours ending 7 p. m., 2.5 inches.

Snow on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, 2.8 inches.

Precipitation to 7 a. m., .10 ins.; to 7 p. m., .07 ins.

Total precipitation, midnight to midnight, .19 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0.1

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 1

Prevailing direction N

Total movement, 433

Average hourly velocity, 18.0

Maximum velocity, 29 Direction, N Time. Began 10.12 AM

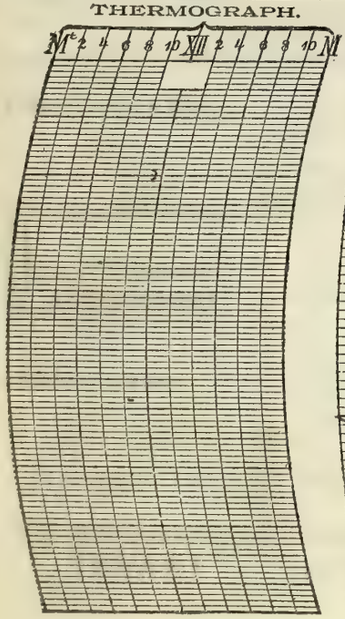
Extreme velocity, 29 – N – 10.13 AM.

Relative humidity, 94 a. m. 94 p. m.

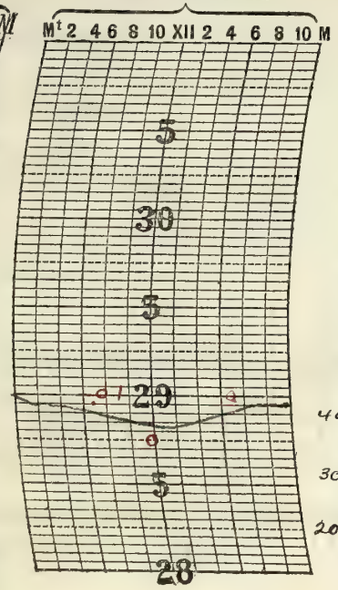
Reduced barometer, 29.84 a. m. 29.85 p. m.

River gage, 5.1 ft.

THERMOGRAPH.



BAROGRAPH.



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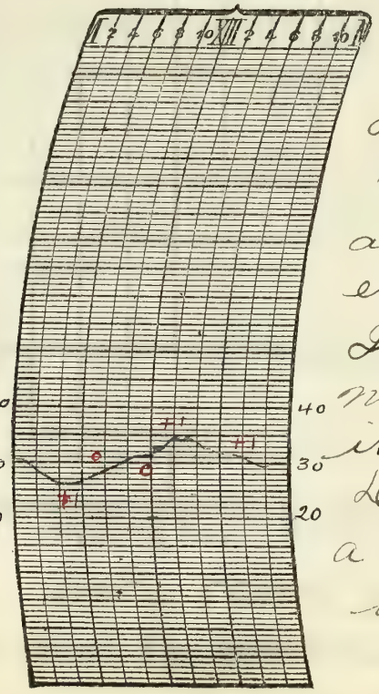


NOTES.

Light-moist snow fell all day and continued into the next day. The streets and walks were wet and slushy during the day and evening from melting snow.

In the business section of the city much of the snow melted soon after it fell.

During this month, snowfall of a depth greater than Trace is infrequent.

Prepared by N.P.C.

Verified by P.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 9 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	30	29	29	28	27	28	29	32	35	38	40	42	43	44	43	42	40	37	36	35	34	33	31
State of weather: Nature of precipitation and time of beginning and ending		SE DN																						
Amounts of precipitation	T	T																						
Cloudiness and other conditions						← Cloudy					Clear				Clear									→
Sunshine (in tenths of hours)						0	0	0.1	0.9	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.6	0					
Wind direction	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	NW	W	W	NW	NW	W	W	W	W	W
Wind movement	17	16	5	13	12	13	12	13	14	15	15	13	14	12	14	14	14	13	9	6	6	6	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.11 Character, Cloudy

Sunset: Time, 6.14 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	[illegible]	[illegible]	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0.3 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase, ✓

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 9.5

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 73

Prevailing direction NW

Total movement, 289

Average hourly velocity, 12.0

Maximum velocity, 19 Direction, NW Time. Began 1.16 A.M.

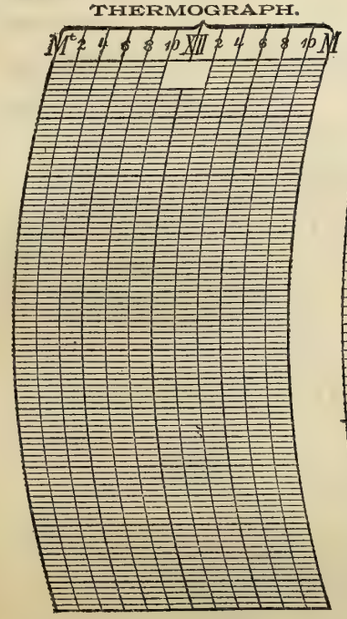
Extreme velocity, 20 – NW – 1.17 A.M.

Relative humidity, 82 a. m. 54 p. m.

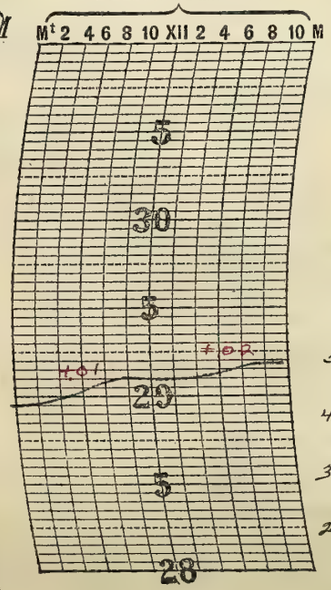
Reduced barometer, 30.02 a. m. 30.12 p. m.

River gage, [illegible] ft.

THERMOGRAPH.



BAROGRAPH.



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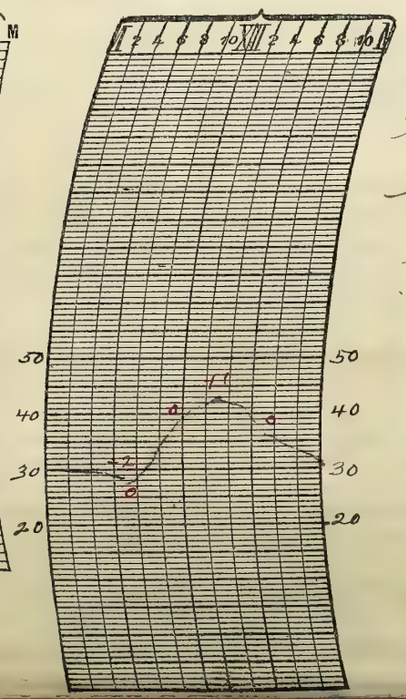


NOTES.

Except in well sheltered places the ground was free from snow by sunset.
Some thawing occurred during the day.

Prepared by J.H.C.

Verified by

Form No. 1014—Met. f.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 10 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	29	29	29	29	30	34	40	44	47	50	50	52	53	54	54	54	52	50	47	44	42	40	39
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Clear				×	Pt. Cloudy							×	Clear					→
Sunshine (in tenths of hours)						.85 0	0.6 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.9	0	0					
Wind direction	W	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	7	6	6	6	4	6	8	10	9	13	15	18	16	18	19	17	15	14	14	13	9	8	11
Maximum velocities (exceeding 21 miles) direction and time																								

Sunrise: Time, 5.09; Character, Clear

Sunset: Time, 6.15; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
54	47	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase First Quarter 8 36 A

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 11.2

Possible sunshine, hours, 13.1

Percentage of possible sunshine, 85

Prevailing direction SW

Total movement, 267

Average hourly velocity, 11.1

Maximum velocity, 21 Direction, SW Time. Began 2.30 PM

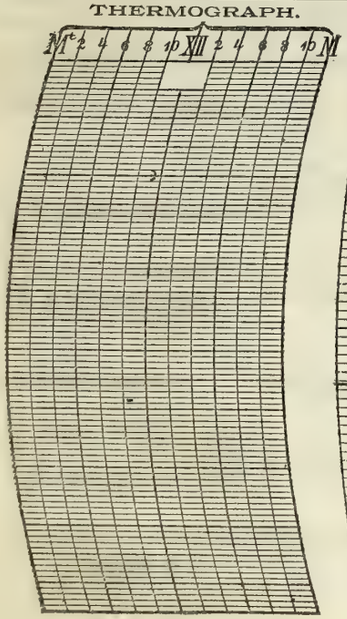
Extreme velocity, 22 – SW – 2.30 PM

Relative humidity, 66 a. m. 51 p. m.

Reduced barometer, 30.17 a. m. 30.09 p. m.

River gage, 4.6 ft.

THERMOGRAPH.



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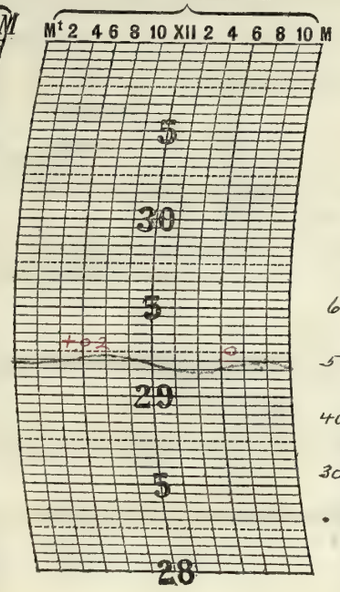

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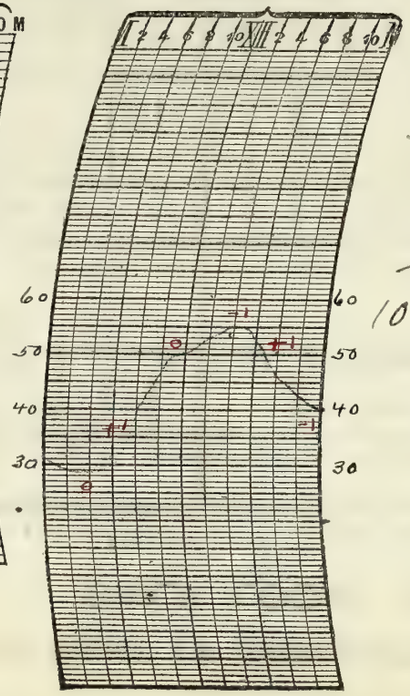


NOTES.

Some thawing occurred during the day and the snow had disappeared by sunset.

St. Cu. clouds were observed from 10 00 A.M. to sunset.

Prepared by J.W.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 11 1916 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	41	40	39	39	39	40	42	45	51	57	62	65	67	68	66	64	61	59	55	55	54	53	52
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy				PC	Clear					Clear								
Sunrise: Time, Character,	5.08 Cloudy																				Sunset: Time, Character, 6.16 Cloudy			
Sunshine (in tenths of hours)						0	0	0.2	0.1	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0					
Wind direction	SW	S	S	S	S	S	S	SW	S	SW	SW	SW	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	12	13	14	15	13	13	16	19	19	19	25	25	24	21	23	21	18	12	9	7	6	3	3	3
Maximum velocities (exceeding 25 miles) direction and time											30 SW 10.27													

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 7.3

Possible sunshine, hours, 13.1

Percentage of possible sunshine, 56

Prevailing direction NW

Total movement, 353

Average hourly velocity, 14.7

Maximum velocity,	Direction,	Time.
30	SW	Began 10.27 A.M.

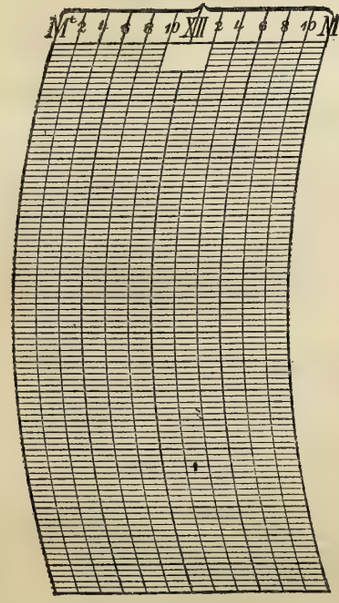
Extreme velocity, 31 SW – 10.27 A.M.

Relative humidity, 78 a. m. 87 p. m.

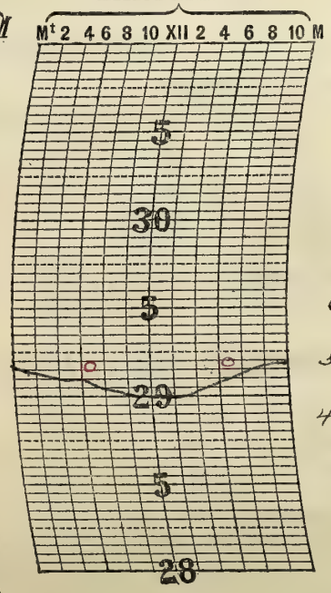
Reduced barometer, 30.01 a. m. 30.00 p. m.

River gage, 4.4 ft.

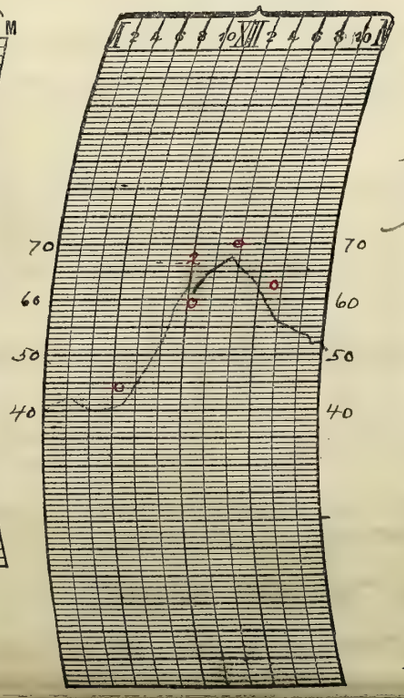
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Moonlight in the evening.

St. Cu Clouds were observed from 11.00 A.M. to 5.00 P.M.

Prepared by W.F.O.

Verified by

Form No. 1012—Met.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 12 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	51	51	50	47	45	45	47	49	50	52	57	60	62	66	68	75	73	70	68	67	66	66	66
State of weather: Nature of precipitation and time of beginning and ending						RB DN RE DN																		
Amounts of precipitation						T																		
Cloudiness and other conditions					←	Cloudy								×	Pt Cldy	×	Cloudy							→
Sunshine (in tenths of hours)						0	0	0.2	0.2	0	0.4	1.0	1.0	0.7	0.9	0.7	0.7	0	0					
Wind direction	NW	NW	NE	E	NE	E	E	E	E	E	E	E	E	E	SE	SE	SE	SW	SW	S	SW	SW	SW	SW
Wind movement	2	1	4	6	10	10	10	11	13	13	13	12	11	12	13	8	10	12	9	10	12	11	15	15

Sunrise: Time, 5.06; Character, Cloudy

Sunset: Time, 6.17; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
70	42	57	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 9

Actual sunshine, hours, 5.8

Possible sunshine, hours, 13.2

Percentage of possible sunshine, 44

Prevailing direction E

Total movement, 243

Average hourly velocity, 10.1

Maximum velocity,	Direction,	Time.
17	SE	Began 2.03 PM

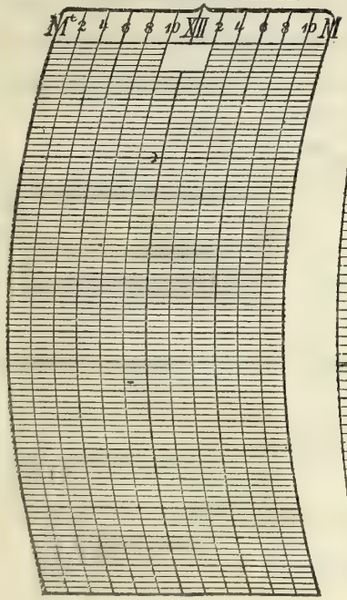
Extreme velocity, 18 – SE – 2.03 PM

Relative humidity, 75 a. m. 60 p. m.

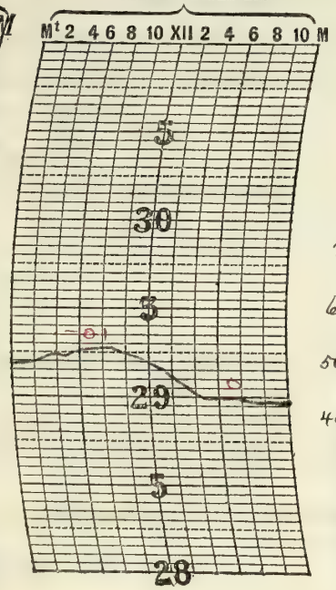
Reduced barometer, 30.23 a. m. 29.91 p. m.

River gage, 4.4 ft

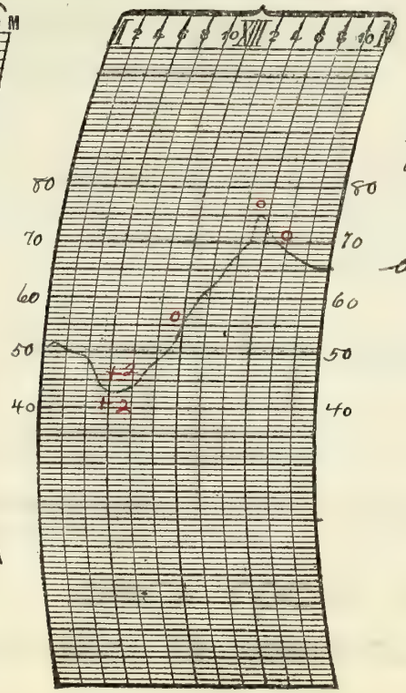
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci and A. St. clouds were observed from 11.00 A.M. to 6.00 P.M.

A lunar halo of 22° radius was observed at 8.25 P.M.

Prepared by H.F.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 13 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	64	62	62	63	64	64	66	68	69	72	70	70	68	69	69	69	68	65	62	62	61	60	56
State of weather: Nature of precipitation and time of beginning and ending													RB 12.20											
Amounts of precipitation													T	T	T	T	T	T	.10	.10	.04	.01	.03	.01
Cloudiness and other conditions						← Cloudy									Cloudy									
Sunrise: Time, Character,	5.05 Cloudy																				Sunset: Time, Character, 6.18 Cloudy			
Sunshine (in tenths of hours)						0	0	0	0.5	0.6	1.0	0.6	0	0	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	17	15	14	16	16	14	11	10	16	17	18	18	17	19	16	15	17	12	11	13	11	11	15	12
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

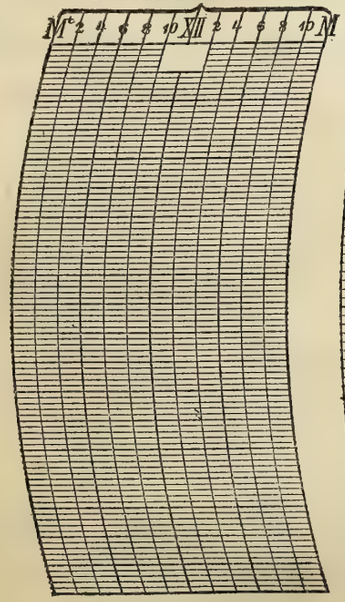
Maximum.	Minimum.	Mean.	Normal.

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .29 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10) 10
Actual sunshine, hours, 2.7
Possible sunshine, hours, 13.2
Percentage of possible sunshine, 20
Prevailing direction SW
Total movement, 351
Average hourly velocity, 14.6

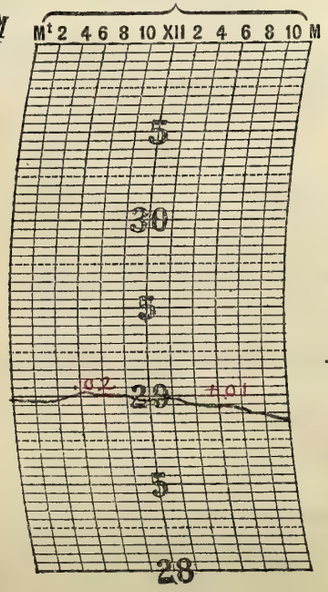
Maximum velocity,	Direction,	Time.
24	SW	Began 9.10 A.M.
Extreme velocity, 25 – SW – 9.10 A.M.		

Relative humidity, 75 a. m. 100 p. m.
Reduced barometer, 29.93 a. m. 29.85 p. m.
River gage, 4.3 ft.

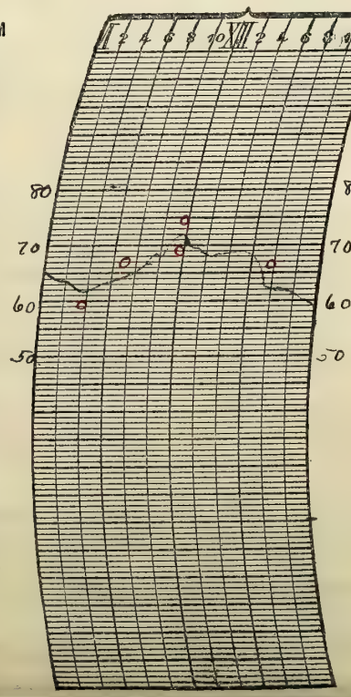
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Raindrops fell at intervals from 12.00 P.M. to 6.30 P.M.
One peal of thunder was heard at 6.50 P.M.
Ci. and Ci St-clouds prevailed during the forenoon from 8.30 A.M. to 11.30 A.M.

Prepared by J.H.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 14 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	54	53	51	50	50	48	46	42	43	43	44	48	48	49	50	48	47	45	44	42	41	40	39	38
State of weather: Nature of precipitation and time of beginning and ending				RE DN																				
Amounts of precipitation	.02	.06	.04	.02																				
Cloudiness and other conditions							Cloudy					× Pt Cldy			×			Clear						
Sunshine (in tenths of hours)						0	0	0	0.5	0.2	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.9, 0.32					
Wind direction	NW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N
Wind movement	13	13	13	17	17	23	20	25	25	23	23	24	25	23	20	20	19	15	13	8	9	6	4	2
Maximum velocities (exceeding 29 miles) direction and time								32 NW 7.30	30 NW 8.30	30 NW 9.40		30 NW 11.19	30 NW 2.25	30 NW 10.3										

Sunrise: Time, 5.03; Character, Cloudy

Sunset: Time, 6.19; Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
56	38	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .42 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .14 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 8.7

Possible sunshine, hours, 13.3

Percentage of possible sunshine, 65

Prevailing direction NW

Total movement, 400

Average hourly velocity, 16.7

Maximum velocity, 32 Direction, NW Time. Began 7.30 AM

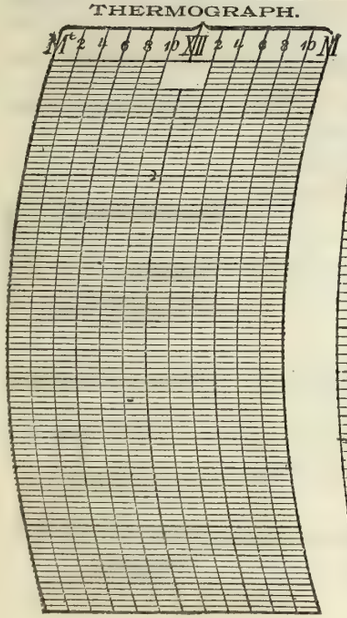
Extreme velocity, 33 – NW – 7.31 AM

Relative humidity, 72 a. m., 71 p. m.

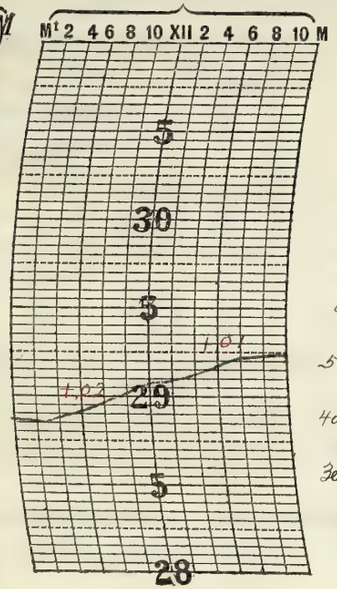
Reduced barometer, 29.89 a. m., 30.13 p. m.

River gage, 4.4 ft.

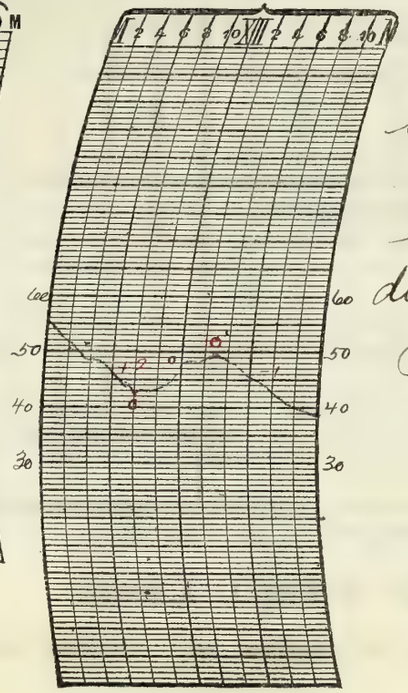
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through openings in the clouds during the day after 8.30 A.M.

Strong and gusty winds prevailed during the morning and day.

Bright moonlight in the evening

E. D. N. a.

Prepared by J.H.S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 15 1916 . 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	37	37	37	36	35	36	41	48	51	54	56	58	59	60	60	60	60	59	55	52	50	49	48	47
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear				×	Pt cloudy				×	Cloudy			×	Pt	×	Clear			
Sunshine (in tenths of hours)						.97 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0.4	0					
Wind direction	N	NE	NE	NE	N	NE	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	E	E	E	E	E
Wind movement	6	2	2	4	3	4	4	6	8	8	8	8	9	10	9	8	8	7	8	6	8	7	5	6
Maximum velocities (exceeding 21.9 miles) direction and time																								

Sunrise: Time, 5.02 Character, Clear

Sunset: Time, 6.20 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
60	35	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase, 4

Average daily cloudiness (0–10), 6

Actual sunshine, hours, 10.1

Possible sunshine, hours, 13.3

Percentage of possible sunshine, 76

Prevailing direction, SE

Total movement, 154

Average hourly velocity, 6.4

Maximum velocity, 13 Direction, SE Began, 1.15 P.M.

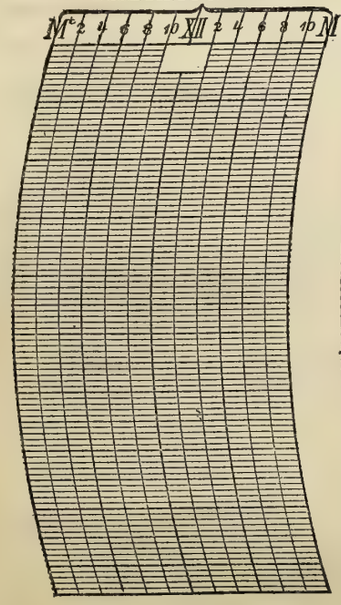
Extreme velocity, 13-SE — 1.15 P.M.

Relative humidity, 81 a. m., 60 p. m.

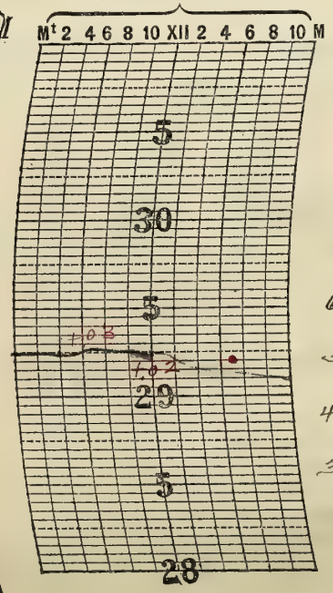
Reduced barometer, 30.23 a. m., 30.04 p. m.

River gage, 4.4 ft.

THERMOGRAPH.



BAROGRAPH.



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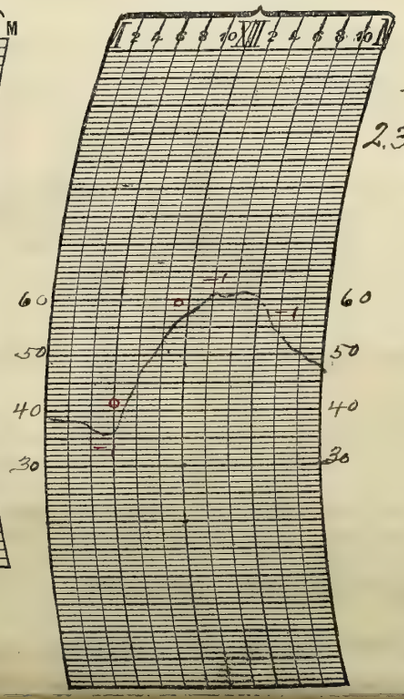


NOTES.

Ci. St. clouds were observed until 2.30 P.M.

Bright moonlight in the evening.

Prepared by J.T.Q.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 16 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	44	44	45	50	48	51	52	58	63	67	70	72	72	70	66	67	61	58	58	56	54	52	51
Nature of precipitation and time of beginning and ending					RB RE		RB 6.15	RE 7.45							RB 2.55 T.E. 3.00	T.N.E. 3.00 R+N.E. 3.05 RB. 3.05 RE. 3.30			RB 6.20	RE 7.35				
Amounts of precipitation					T		.04	.02							T	.07			T	T				
Cloudiness and other conditions	← Cldy × P.C. × Clear × Pt Cldy × Cldy × P.C. × Cloudy →																							

	Maximum.	Minimum.	Mean.	Normal.
	72	44	58	

Sunrise: Time, 5.00; Character, Cloudy

Sunset: Time, 6.21; Character, Cloudy

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0.8	1.0	1.0	1.0	1.0	0.7	0.6	0.4	0.8	0	0					
Wind direction	E	E	E	E	S	E	SE	SE	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW
Wind movement	6	6	6	7	6	4	6	12	16	21	22	23	27	26	26	18	24	21	17	19	22	21	21	21
Maximum velocities (exceeding 29 miles) direction and time													36 SW 2.45	33 SW 1.42	34 SW 2		31 SW 1.15							

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .13 ins.
Total precipitation, midnight to midnight, .13 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10) 6
Actual sunshine, hours, 7.3
Possible sunshine, hours, 13.4
Percentage of possible sunshine, 54
Prevailing direction SW
Total movement, 398
Average hourly velocity, 16.6

Maximum velocity,	Direction,	Time.
34	SW	Began 2.13 P.M.

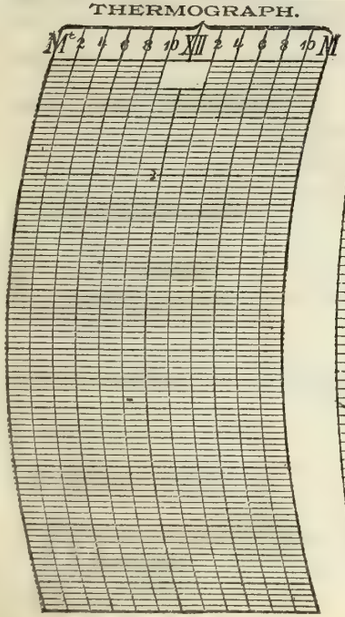
Extreme velocity, 35 - SW - 2.14 P.M.

Relative humidity, 66 a. m., 80 p. m.
Reduced barometer, 29.86 a. m., 29.79 p. m.
River gage, 4.5 ft.

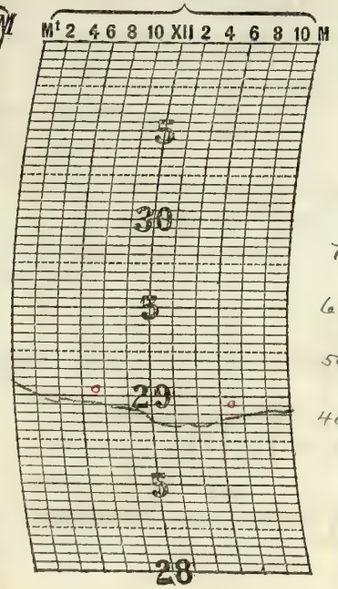
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

THERMOGRAPH.



BAROGRAPH.



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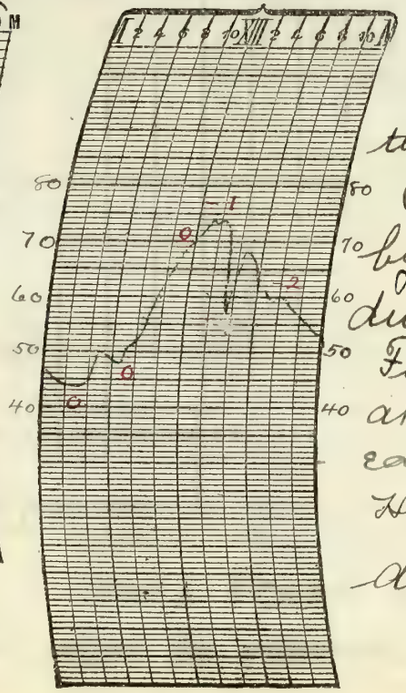


NOTES.

The sun shone through openings in the clouds during the day.

A moderate thunderstorm accompanied by some hail (T) passed over the station during the afternoon.

First thunder was heard at 3.00 P.M. and last at 3.30 P.M. The storm moved from west to east.

High and somewhat gusty winds prevailed during the day and evening.

Prepared by J.T.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 17 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	49	47	45	44	44	46	48	49	51	52	54	56	57	57	56	56	55	53	51	50	46	46	45
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Clear					×	Pt Cloudy												
Sunshine (in tenths of hours)					0.3 / 0	0.8 / 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.8	0.5 / 0.2	1.38 / 0					
Wind direction	W	W	W	SW	SW	SW	SW	W	W	W	W	W	W	NW	NW	NW	NW	NW	W	W	W	SW	SW	SW
Wind movement	22	20	16	16	16	17	19	20	25	29	35	32		27	28	24	25	20	12	4	7	7	10	8
Maximum velocities (exceeding 25 miles) direction and time	30 W 12.55								W 8.10	35 W 9.22	40 W 10.50	35 W 11.20	W 11.40	32 W 12.20	32 NW 12.44	32 W 3.30	30 W 4.14	30 NW 5.12						

Sunrise: Time, 4.58; Character, Clear

Sunset: Time, 6.23; Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
57	44	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., _____ ins.

Total precipitation, midnight to midnight, _____ inches.

Character of day, Clear. Moon phase, _____

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 1.4

Possible sunshine, hours, 13.4

Percentage of possible sunshine, 7.2

Prevailing direction, W

Total movement, 1.6

Average hourly velocity, 3.6

Maximum velocity, 40 Direction, W Time. Began 10.50 AM

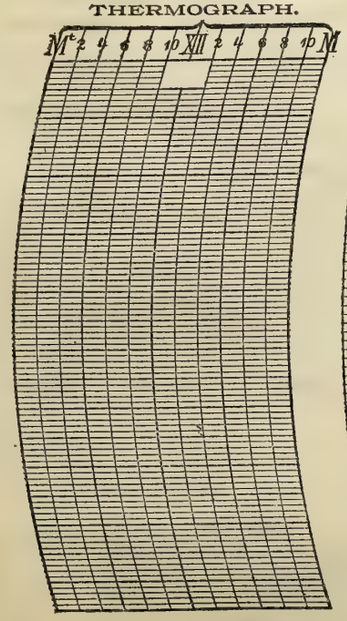
Extreme velocity, 44 W — 10.51 AM

Relative humidity, 68 a. m., 44 p. m.

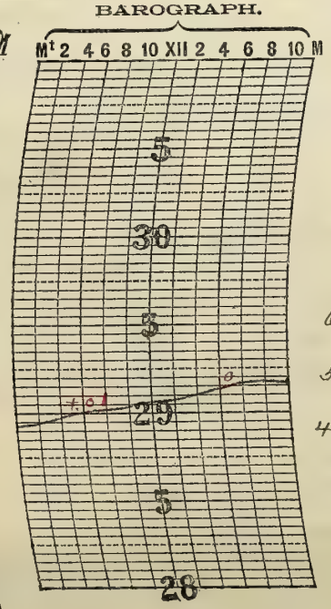
Reduced barometer, 29.96 a. m., 30.07 p. m.

River gage, 4.0 ft.

THERMOGRAPH.



BAROGRAPH.



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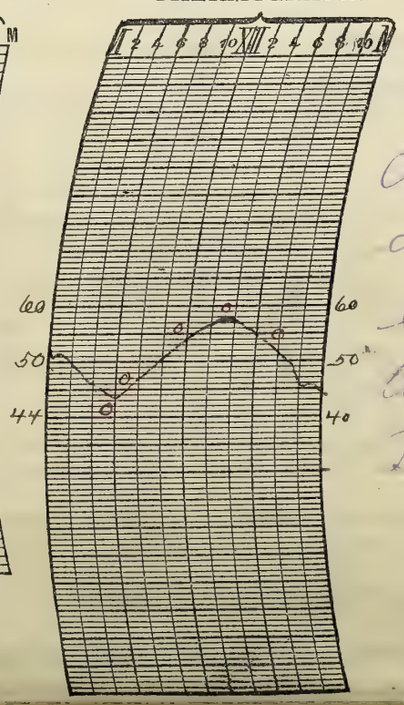


NOTES.

High, gusty winds prevailed during the morning and all day.

Ci. St. clouds were observed during the middle of the day.

Bright moonlight in the evening

Prepared by J.H.T.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 18 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	43	42	42	42	39	46	51	56	59	60	61	62	64	65	63	62	61	59	57	57	54	53	51
State of weather: Nature of precipitation and time of beginning and ending																							RB 10.15	RE DN
Amounts of precipitation																							T	T
Cloudiness and other conditions						Clear			× Pt Cldy				× Cloudy					Cloudy						
Sunshine (in tenths of hours)					0	0.9	1.0				0	0	1.0	1.0	1.0	0.4	0	0	0					
Wind direction	SW	SW	SW	W	W	SW	SW	W	SW	SW			SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S
Wind movement	0	0	1	8	1	8	6	6	0	1			9	9	9	8	5	3	6	6	4	8	4	7

Sunrise: Time, 4.57; Character, Clear

Sunset: Time, 6.23; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
65	39	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase, Full Moon 11.08 P.

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 10.4

Possible sunshine, hours, 13.4

Percentage of possible sunshine, 78

Prevailing direction SW

Total movement, 183

Average hourly velocity, 7.6

Maximum velocity,	Direction,	Time.
15	W	Began 9.58 A.M.

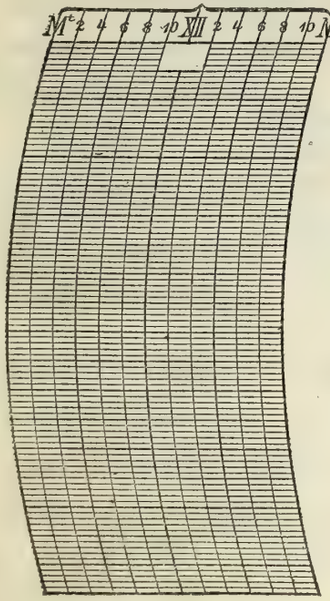
Extreme velocity, 17 – W – 9.58 A.M.

Relative humidity, 75 a. m. 49 p. m.

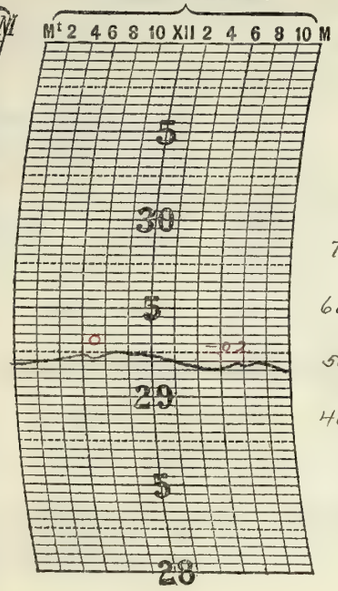
Reduced barometer, 30.15 a. m. 30.06 p. m.

River gage, 3.8

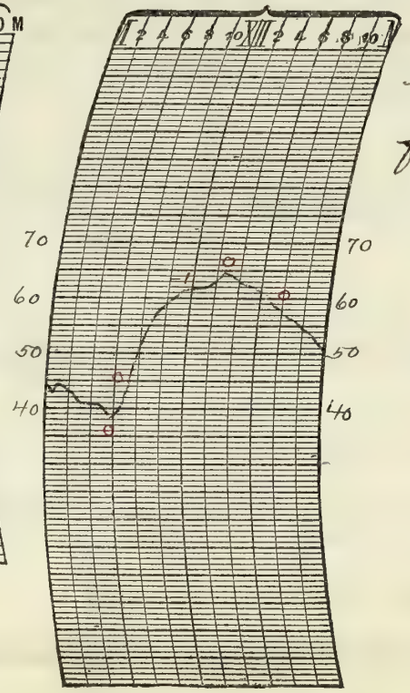
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci and Ci. St. clouds were observed from 8.00 A.M. until after 3.00 P.M.

Prepared by W.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 19 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	49	47	46	45	49	50	52	54	58	60	67	74	78	78	76	74	71	69	67	65	63	63
State of weather. Nature of precipitation and time of beginning and ending			RB DN				RE 6.35	RB 7.15 RE 7.40																
Amounts of precipitation			.03	T	.01	.03	.01	.02																
Cloudiness and other conditions							Cloudy						× Pt Cldy					× Cloudy						
Sunrise: Time, Character,	4.56 Cloudy																							
Sunset: Time, Character,																					6.24 Cloudy			
Sunshine (in tenths of hours)					0	0	0	0	0.2	0.8	1.0	1.0	1.0	1.0	0.9	0.2	0	0	0					
Wind direction	SE	SE	E	E	NE	E	E	E	E	E	SE	SE	SE	SE	S	SW	SW	S	S	S	S	S	S	S
Wind movement	7	7	7	8	11	14	17	13	14	15	12	11	10	9	16	16	13	10	8	7	8	8	9	12
Maximum velocities (exceeding 29 miles) direction and time																								

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
78	45	62.1	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .08 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .10 inches.

Character of day, Pt Cloudy Moon phase

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 6.1

Possible sunshine, hours, 13.5

Percentage of possible sunshine, 45

Prevailing direction S

Total movement, 262

Average hourly velocity, 10.9

Maximum velocity,	Direction,	Time.
24	SW	Began 2.13 PM

Extreme velocity, 25 - SW - 2.13 PM

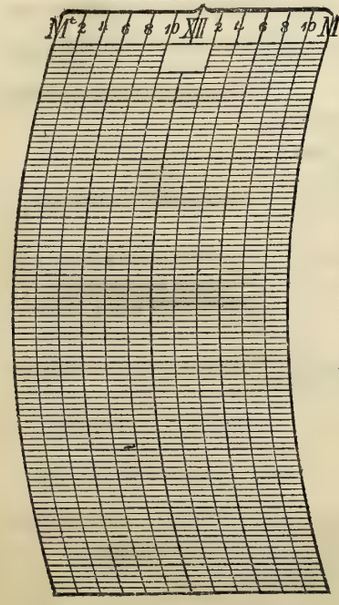
Relative humidity, 75 a. m., 53 p. m.

Reduced barometer, 29.98 a. m., 29.77 p. m.

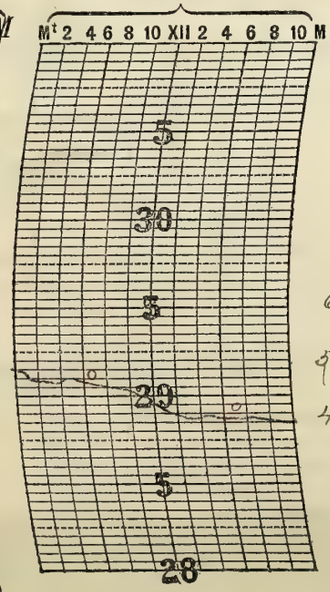
River gage, 3.6 ft.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

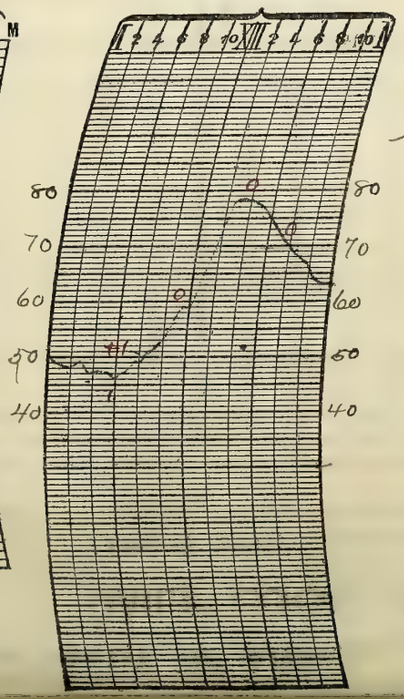
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through openings in the clouds during the day.

Prepared by J.H.T.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 20 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	62	63	63	64	63	63	66	71	72	70	69	70	64	63	64	63	61	60	58	57	57	57	57
State of weather: Nature of precipitation and time of beginning and ending														RB 1.35	RE 2.20			RB 5.15						
Amounts of precipitation														T	T			T	.01	.05	.02	T	T	T
Cloudiness and other conditions						←		Cloudy							Cloudy									
Sunrise: Time, 4.54; Character, Cloudy																					Sunset: Time, 6.26; Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0.4	1.0	1.0	0.3	0.6	0.2	0	0	0.2	0	0	0					
Wind direction	S	S	S	S	SW	SW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SE	S	S
Wind movement	10	9	10	11	14	10	11	12	15	19	17	16	17	21	20	20	20	18	13	16	11	15	15	15
Maximum velocities (exceeding 2.9 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	57	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .08 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10), 10

Actual sunshine, hours, 3.7

Possible sunshine, hours, 13.5

Percentage of possible sunshine, 27

Prevailing direction S

Total movement, 355

Average hourly velocity, 14.8

Maximum velocity,	Direction,	Time.
2.9	S	Began 1.46 PM.

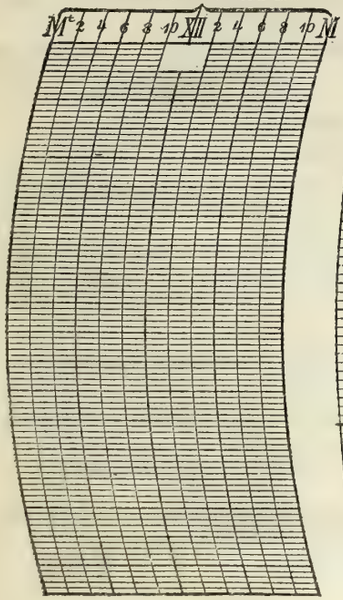
Extreme velocity, 2.9 S – 1.46 PM.

Relative humidity, 67 a. m., 100 p. m.

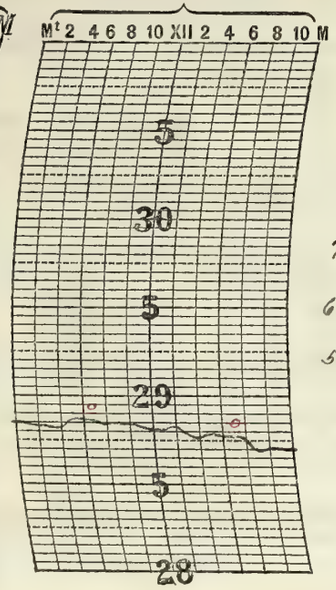
Reduced barometer 29.76 a. m., 29.67 p. m.

River gage, 3.6 ft.

THERMOGRAPH.



BAROGRAPH.



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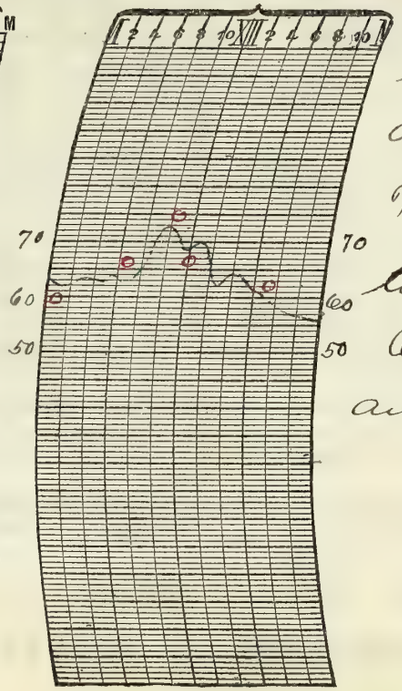


NOTES.

Ci. St. and St. clouds were observed during the forenoon

The word "warnings" was added to the morning cipher report.

Occasional rain fell from 1.35 P.M. to 2.20 P.M. and from 9.00 P.M. until after midnight (P.M.)

Prepared by NAC.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 21 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	57	56	54	53	52	50	52	52	52	51	51
State of weather: Nature of precipitation and time of beginning and ending								RE 7.15				
Amounts of precipitation	T	T	T	.02	.02	T	.07	T				
Cloudiness and other conditions							Cloudy					
Sunrise: Time, Character,	4.53 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0.1	0.2	0.2
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	20	18	16	15	10	11	17	18	19	17	22	18

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	53	50	48	46	45	45	43	42	41	41	42
State of weather: Nature of precipitation and time of beginning and ending				RB 3.25			RE 6.30	RB 7.20				
Amounts of precipitation				T	.01	.01	T	T	T	T	T	T
Cloudiness and other conditions					Cloudy							
Sunset: Time, Character,									6.27 Cloudy			
Sunshine (in tenths of hours)	0.4	0	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	19	17	17	12	14	12	16	15	16	15	14	16

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	58	41	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .18 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .13 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0.9

Possible sunshine, hours, 13.6

Percentage of possible sunshine, 7

Prevailing direction SW

Total movement, 384

Average hourly velocity, 16.0

Maximum velocity, 26 Direction, SW Time. Began 10.11 A.M.

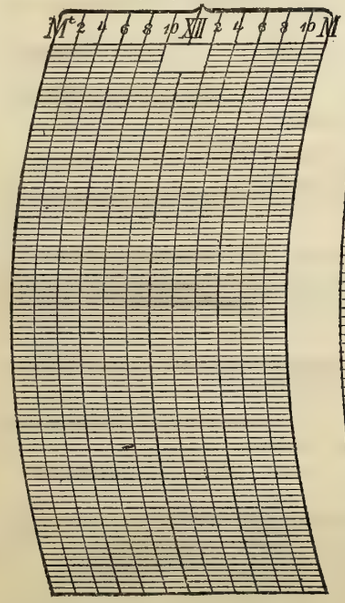
Extreme velocity, 27 - SW - 10.11 A.M.

Relative humidity, 92 a. m. 91 p. m.

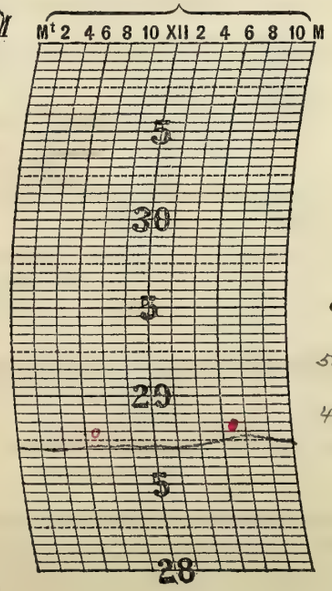
Reduced barometer, 29.61 a. m. 29.65 p. m.

River gage, 3.5 ft.

THERMOGRAPH.



BAROGRAPH.



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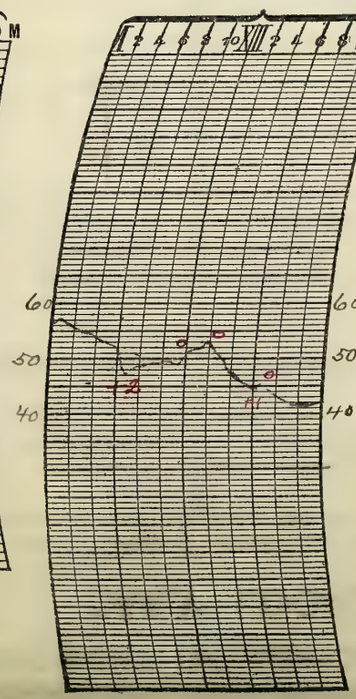


NOTES.

Occasional rain fell during the morning until 6.00 A.M.

The sun shone through openings in the clouds, occasionally during the middle of the day.

The rain from 7.20 to midnight was in the form of light mist.

Prepared by HTC.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	40	40	40	40	39	40	40	38	41	40	40
Nature of precipitation and time of beginning and ending							RE 6.40				RB 10.30	
Amounts of precipitation	T	T	T	.01	.01	T	.01				T	T
Cloudiness and other conditions						Cloudy						
Sunrise: Time, 4.51 Character, Cloudy												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	W	SW	W	W	W	W
Wind movement	14	15	13	10	9	10	11	13	13	12	15	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	41	41	40	39	40	40	40	40	40	40	38
Nature of precipitation and time of beginning and ending								RE 7.45			RB DN	RE PN
Amounts of precipitation	T	T	T	T	T	T	T	T			T	T
Cloudiness and other conditions					Cloudy							
Sunset: Time, 6.28 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	W	W	W	W	W	W	W	W	SW	W	NW	NW
Wind movement	15	14	13	11	9	9	10	10	10	11	13	11

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
42	38	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .03 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 13.6

Percentage of possible sunshine, 0

Prevailing direction W

Total movement, 284

Average hourly velocity, 11.8

Maximum velocity,	Direction,	Time.
19	SW	Began 1.10 A.M.

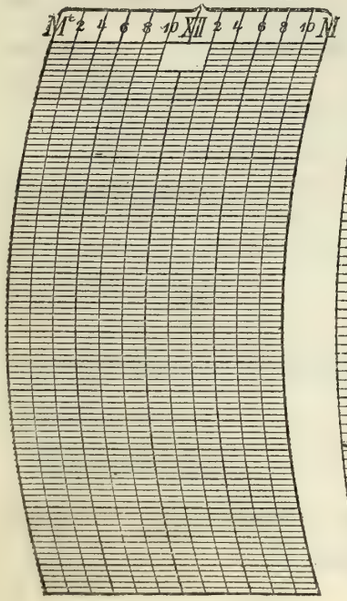
Extreme velocity, 19 - SW - 1.10 A.M.

Relative humidity, 92 a. m., 100 p. m.

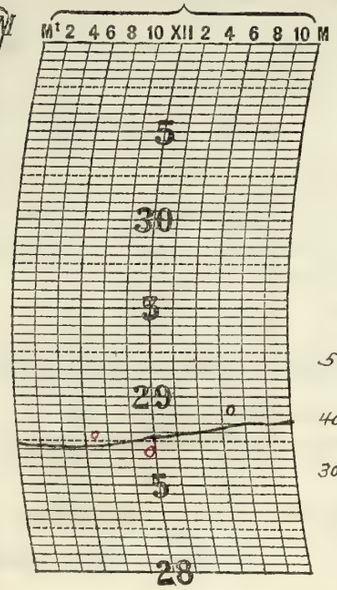
Reduced barometer, 29.64 a. m., 29.76 p. m.

River gage, 3.4 ft.

THERMOGRAPH.



BAROGRAPH.



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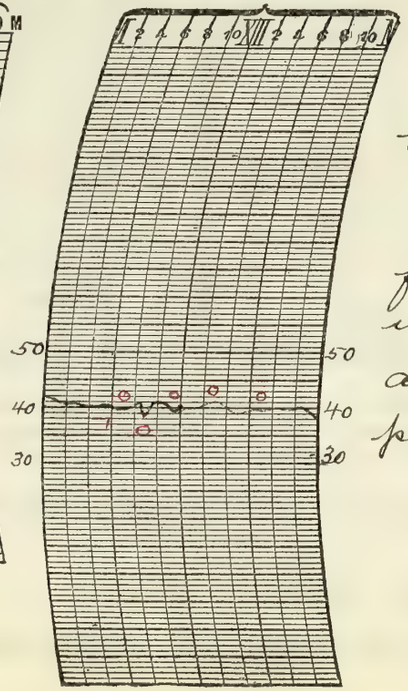


NOTES.

The rain from 10.30 A.M. to 7.45 P.M. was in the form of mist

The following warning was received from "CO." at 8.45 A.M. and disseminated in the morning forecasts, by phone and press. "Light frost in exposed places tonight north and central portions"

Prepared by W.J.C.
Verified by A.M.S.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 23 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	37	38	39	40	40	41	44	43	42	42	41
State of weather: Nature of precipitation and time of beginning and ending									RB 8.20			
Amounts of precipitation									T	.01	T	.02
Cloudiness and other conditions						Cloudy						
Sunrise: Time, 4.50 Character, Cloudy												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	NW	NW	W	W	W	W	W	W	W	W	NW	NW
Wind movement	7	8	7	8	9	9	9	12	12	14	14	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	41	41	42	42	43	44	44	43	41	41	42	41
State of weather: Nature of precipitation and time of beginning and ending				RE 3.15								
Amounts of precipitation	T	T	T	T								
Cloudiness and other conditions			Cloudy									
Sunset: Time, 6.29 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	NW	NW	NW	W	W	NW	NW	W	NW	NW	NW	NW
Wind movement	9	7	9	8	8	8	8	8	5	5	5	5

Maximum 29 velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
44	36	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .03 ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 13.6

Percentage of possible sunshine, 0

Prevailing direction NW

Total movement, 204

Average hourly velocity, 8.5

Maximum velocity, 17 Direction, NW Time. Began 10.23 A.M.

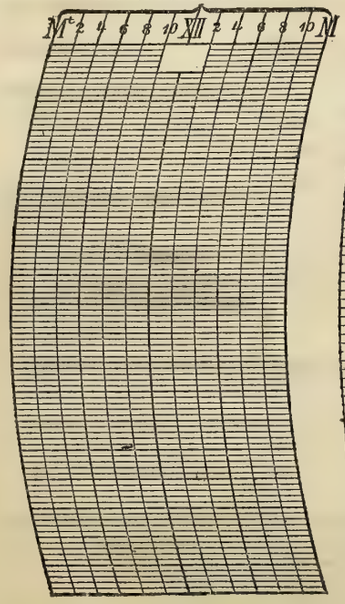
Extreme velocity, 18 – NW – 10.23 A.M.

Relative humidity, 96 a. m. 85 p. m.

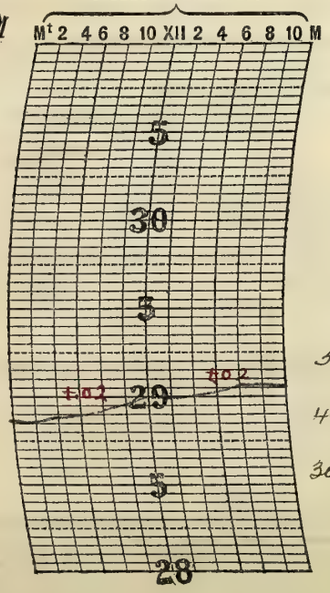
Reduced barometer, 29.87 a. m. 29.99 p. m.

River gage, 3.4 ft.

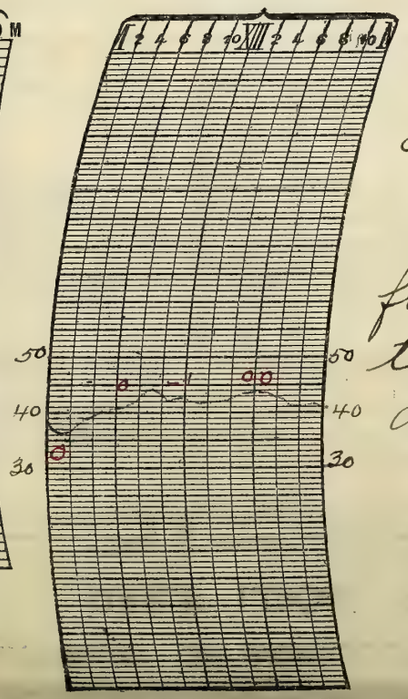
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was cold, generally wet and unpleasant.

The following warning was recieved from "CO." at 9.52 A.M. "Light frost tonight." The warning was disseminated by 'phone.

Prepared by J.H.C.
Verified by F.M.E.

8—486

Form No. 1014—M.U.T.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) APR 24 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	41	41	42	41	42	43	44	43	45	48	50
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)		1				0	0	0	0	0.2	0.2	0.4
Wind direction	N	N	NW	NW	NW	NW	NW	W	NW	W	W	W
Wind movement	5	4	5	3	4	3	4	5	7	5	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	53	53	45	47	47	48	48	47	45	44	43
State of weather: Nature of precipitation and time of beginning and ending		RB 1.55	RE 2.33 RB 2.55		RE 4.10 RB 4.50				RE 6.00			
Amounts of precipitation		T	.04	.10	T	T	.01	T	T			
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)	0.5	0	0	0	0	0	0			1		0
Wind direction	W	W	W	NW	N	N	NW	W	W	W	W	W
Wind movement	4	3	2	10	6	4	4	5	7	7	9	7

Sunrise: Time, 4.48 Character, Cloudy

Sunset: Time, 6.30 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
53	41	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .15 ins.

Total precipitation, midnight to midnight, .15 inches.

Character of day, Cloudy Moon phase, Last Quarter 4.38 A

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 1.3

Possible sunshine, hours, 13.7

Percentage of possible sunshine, 9

Prevailing direction, W.

Total movement, 123

Average hourly velocity, 5.1

Maximum velocity,	Direction,	Time.
17	NW	Began 3.20 PM

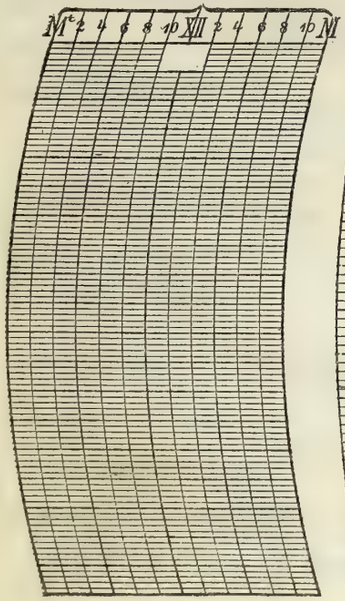
Extreme velocity, 17 - NW - 3.20 PM

Relative humidity, 85 a. m. 100 p. m.

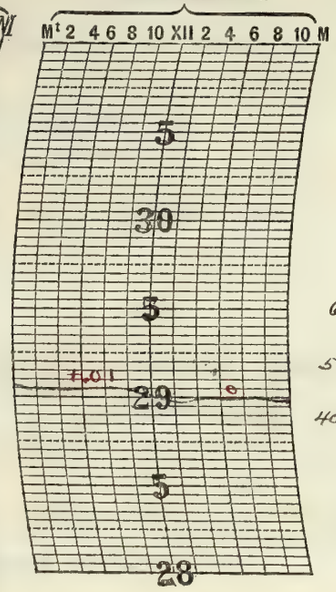
Reduced barometer, 29.99 a. m. 29.93 p. m.

River gage, 3.8 ft

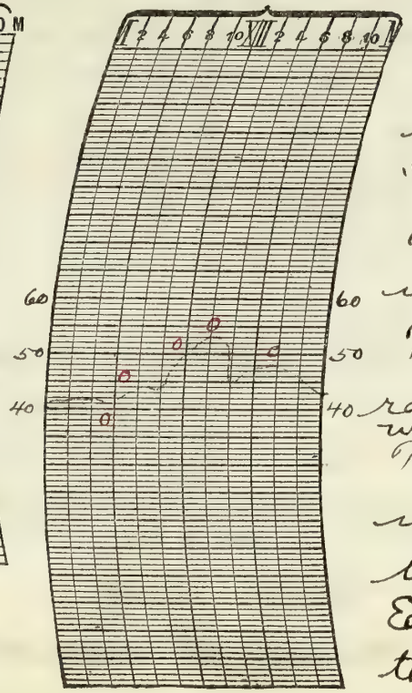
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received from "E. O." at 9.20 P.M. "Frost in exposed places tonight" The warning was disseminated by press, 'phone, and in the forecasts issued in the morning. The rain from 4.10 P.M. to 9.00 P.M. was rather light. The afternoon and evening was rather wet and unpleasant. The sun shone through openings in the clouds at intervals during the middle of the day. Early cherry and pear trees were observed to be budding to-day.

Prepared by W.F.C.
Verified by P.M.E.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) APR 25 1916, 191

Time (local standard), 90 mer.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	41	41	40	40	40	42	42	43	44	46	49	52	55	56	54	53	48	47	46	46	45	44	44
State of weather: Nature of precipitation and time of beginning and ending																RB 245								
Amounts of precipitation																T	T	T	.01	.02	T	.06	.07	.07
Cloudiness and other conditions						Cloudy									Cloudy									
Sunrise: Time, 4.47 Character, Cloudy																					Sunset: Time, 6.31 Character, Cloudy			
Sunshine (in tenths of hours)						0	0	0	0	0	0.2	0.8	1.0	1.0	1.0	0	0	0	0					
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	NW	NW	W	SW	W	SW	SW	S	SW	W	W
Wind movement	10	9	7	9	10	8	11	11	8	8	9	10	9	9	8	9	10	5	6	8	4	5	3	1
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
56	40	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .71 ins.

Total precipitation, midnight to midnight, .23 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 4.0

Possible sunshine, hours, 13.7

Percentage of possible sunshine, 29

Prevailing direction NW.

Total movement, 187

Average hourly velocity, 7.8

Maximum velocity, 15 Direction, SW Time. Began 3.45 P.M.

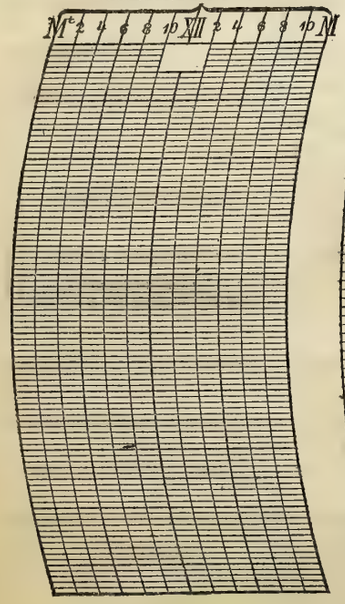
Extreme velocity, 15 — SW. 3.45 P.M.

Relative humidity, 90 a. m. 100 p. m.

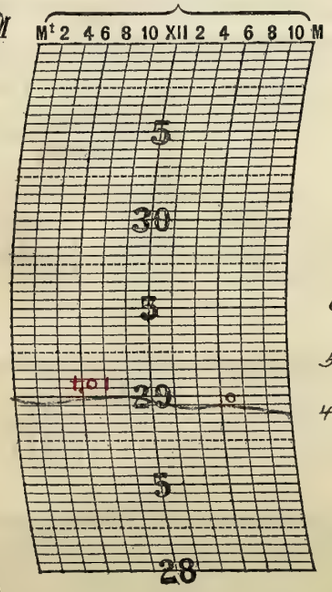
Reduced barometer, 29.93 a. m. 29.86 p. m.

River gage, 4.0 ft

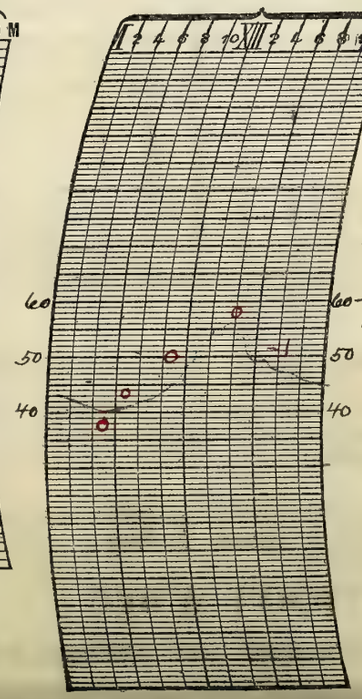
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received from "CO" at 9.05 A.M. "Local frosts tonight" The warning was disseminated in the morning forecasts, by press and phone.

It sprinkled from 3.45 P. to 6.30 P.M. when the rainfall became heavier.

The streets were wet and slippery during the evening after 4.30 P.M.

Prepared by N.T.C.
Verified by F.M.L.

8—486

Form No. 1012—M.T.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 26 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	42	42	42	42	42	42	43	43	44	45
Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.11	.18	.13	.08	.11	.06	.08	.08	.05	.06	.06	.03
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	4.45 Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	NE	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	5	3	3	3	5	11	15	15	14	14	13	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	45	47	48	50	49	48	47	47	47	46	46
Nature of precipitation and time of beginning and ending		TE 1.35					RB 6.15					
Amounts of precipitation	.03	.04					.01	T	T	T	T	T
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									6.32 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	NE	E	NE	N	N	N	N	N	N	N	N	N
Wind movement	11	4	2	4	10	9	8	9	10	11	8	8

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

---/--- hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
50	42	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .98 ins.; to 7 p. m., .36 ins.

Total precipitation, midnight to midnight, 1.11 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0

Possible sunshine, hours, 13.8

Percentage of possible sunshine, 0

Prevailing direction NE

Total movement, 206

Average hourly velocity, 8.6

Maximum velocity, 20 Direction, NE Began 7.20 A.M.

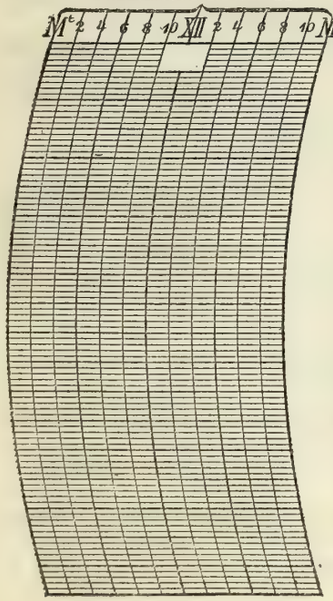
Extreme velocity, 20 – NE – 7.20 A.M.

Relative humidity, 100 a. m., 96 p. m.

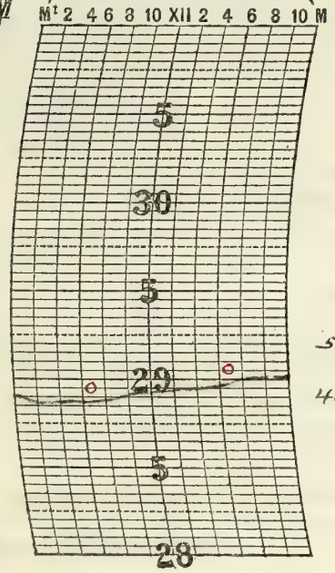
Reduced barometer, 29.82 a. m., 29.92 p. m.

River gage, 4.5 ft.

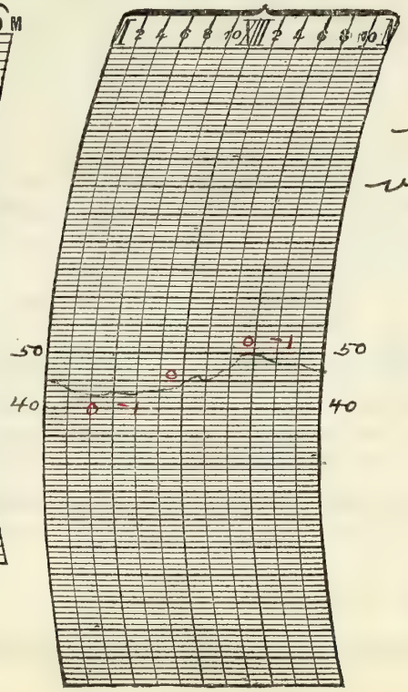
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The rainfall during the early morning and forenoon was quite steady.

Prepared by J.F.C.
Verified by N.M.R.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) APR 27 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	44	44	44	45	45	45	46	49	52	55	56	57	59	59	59	58	57	55	53	50	47	46	44
State of weather: Nature of precipitation and time of beginning and ending					RE DN																			
Amounts of precipitation	T	.01	.01	T	T																			
Cloudiness and other conditions	Cloudy												×Pt Cldy			×cldy			×Clear					
Sunshine (in tenths of hours)					0	0	0	0	0.1	0.9	1.0	0.9	0.8	0.5	0.2	0	0	0.9 0.1	0.55 0					
Wind direction	N	N	N	N	N	N	N	N	N	NW	NW	N	N	N	N	NW	NW	NW	N	N	NW	NW	NW	NW
Wind movement	8	7	8	9	9	10	11	13	11	11	14	14	12	11	10	10	12	11	9	6	8	8	6	4

Sunrise: Time, 4.44; Character, Cloudy

Sunset: Time, 6.33; Character, Clear

Maximum velocities (exceeding 7 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
59	44	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 6.0

Possible sunshine, hours, 13.8

Percentage of possible sunshine, 43

Prevailing direction N

Total movement, 232

Average hourly velocity, 9.7

Maximum velocity, 16 Direction, NW Time. Began 10.55 A.M.

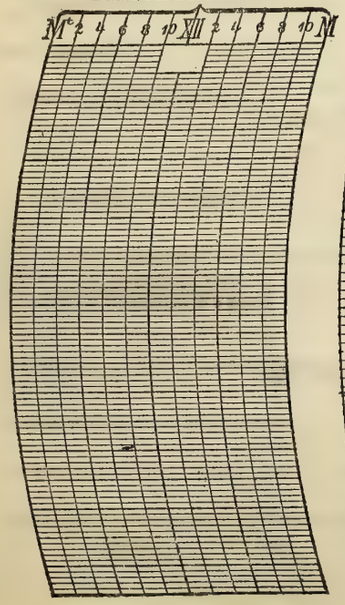
Extreme velocity, 17 - NW - 10.55 A.M.

Relative humidity, 89 a. m. 65 p. m.

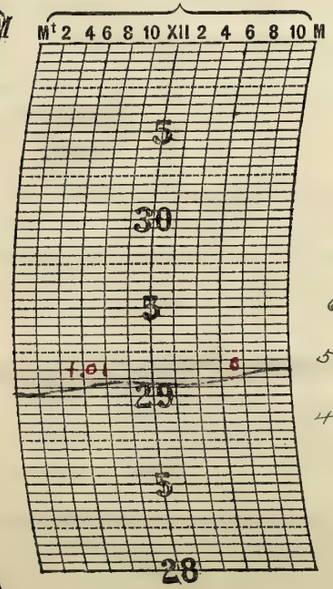
Reduced barometer, 30.01 a. m. 30.03 p. m.

River gage, 8.8 ft.

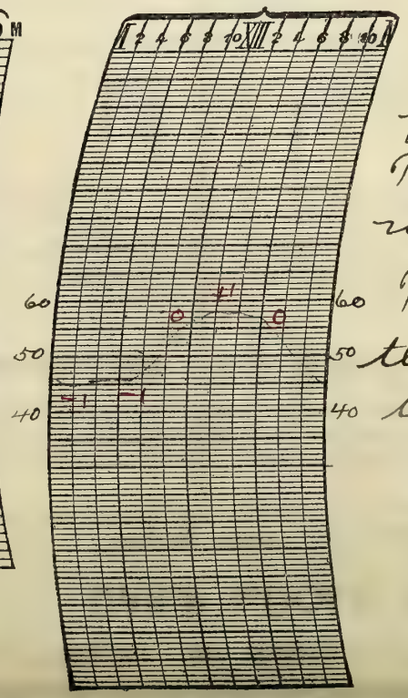
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received from "C.O" at 9.20 A.M. "Frost tonight." The warning was disseminated in the morning forecasts, by press and phone. The sun shone through openings in the clouds during the middle of the day.

Prepared by N.T.C.
Verified by P.M.E.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) APR 28 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	42	41	40	40	43	46	55	57	58	60	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear					×	Pt Cldy
Sunrise: Time, Character,	4.43 Clear											
Sunshine (in tenths of hours)					.28 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	0.7
Wind direction	NW	NW	NW	NW	NW	NW	N	N	NE	NE	NE	NE
Wind movement	5	4	3	5	4	2	2	3	4	4	4	5

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	65	63	64	65	65	64	61	60	59	59	56	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						×			Clear			
Sunset: Time, Character,									6.34 Clear			
Sunshine (in tenths of hours)	0.7	0.2	0	0.1 0.6	1.0 0	1.0 0	.57 0					
Wind direction	NE	NE	NE	S	S	S	S	S	S	S	S	S
Wind movement	5	4	2	4	4	3	3	3	5	4	2	2

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	65	40	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 11.2

Possible sunshine, hours, 13.8

Percentage of possible sunshine, 81

Prevailing direction S

Total movement, 86

Average hourly velocity, 3.6

Maximum velocity, 8 Direction, NE Time. Began 11.11 A.M.

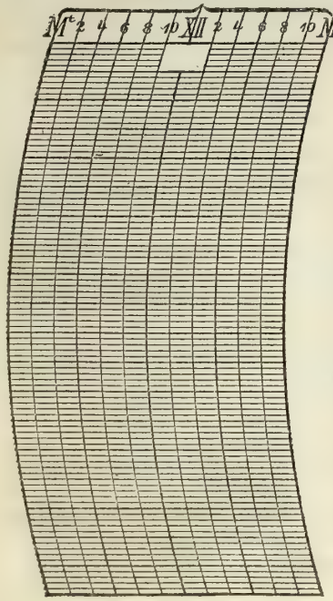
Extreme velocity, 8 – NE – 11.11 A.M.

Relative humidity, 82 a. m. 63 p. m.

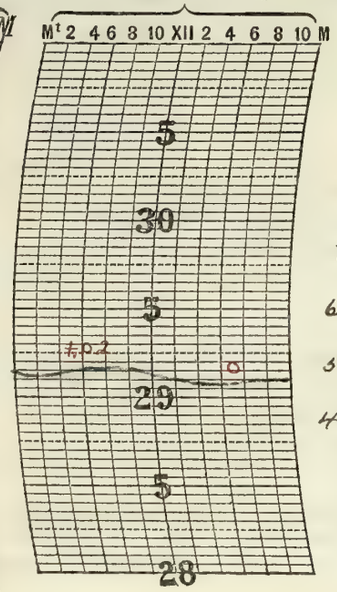
Reduced barometer, 30.12 a. m. 30.01 p. m.

River gage, 8.1 ft.

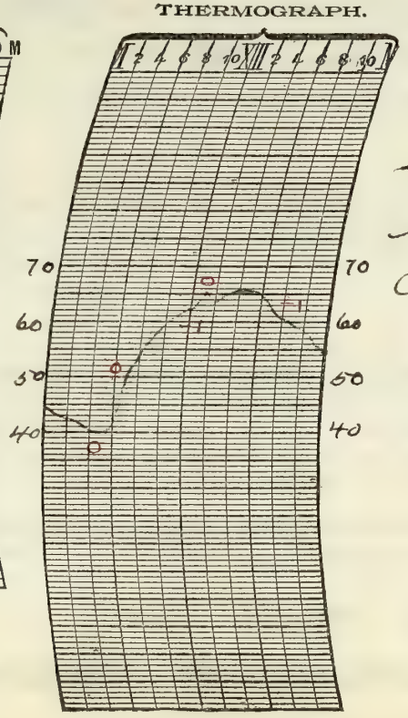
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cu. and a few St. Cu. clouds were observed during the day. Fine specimen of Cu. Clouds were observed during the forenoon.

Prepared by J.L.T.C.
Verified by P.M.E.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) APR 29 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	52	51	49	48	49	54	60	63	65	66	68	69	69	68	68	67	66		63	62	60	58	57
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear										Pt Cloudy						Pt Cldy					Clear		
Sunrise: Time, Character	4.41 Clear																							
Sunset: Time, Character																					6.35 Cloudy			
Sunshine (in tenths of hours)		1			0	0	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.5	0.7	0	0					
Wind direction	S	S	SE	SE	SE	SE	S	S	S	S	SW	SW	SW	SW	S	S	SW	SW	S	S	S	SE	S	S
Wind movement	4	4	1	2	2	4	4	5	7	11	12	11	12	11	12	11	12	8	7	6	7	7	8	6
Maximum velocities (exceeding 7 miles) direction and time																								

Total amount of precipitation: 1.32 1.0 0.2

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
69	48	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 11.1

Possible sunshine, hours, 13.9

Percentage of possible sunshine, 80

Prevailing direction S

Total movement, 174

Average hourly velocity, 7.2

Maximum velocity, 17 Direction, SW Time. Began 4.11 P.M.

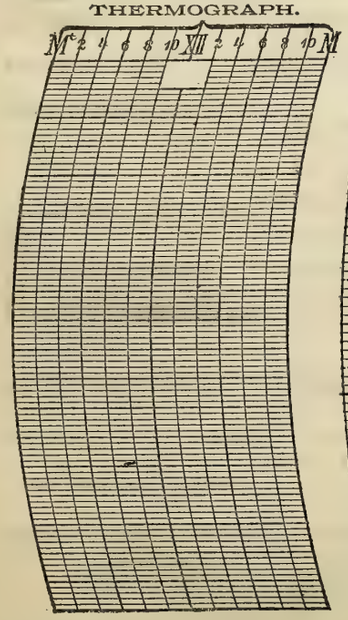
Extreme velocity, 17 – SW – 4.11 P.M.

Relative humidity, 67 a. m. 30 p. m.

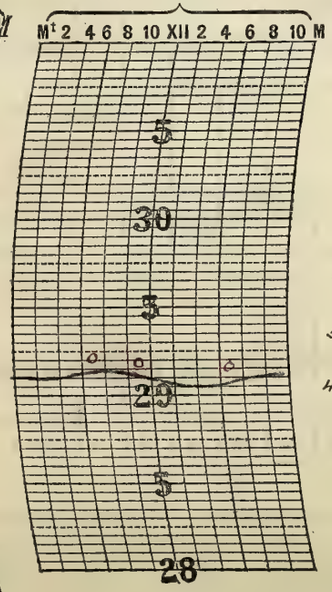
Reduced barometer, 30.07 a. m. 29.78 p. m.

River gage, 6.8 ft

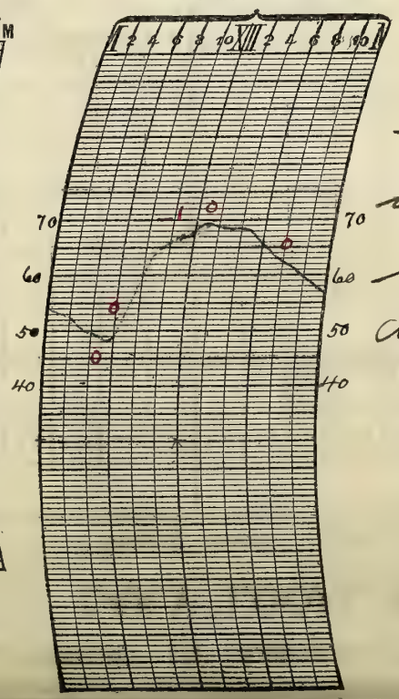
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy dew formed in the morning and noticeable until 7.00 A.M.
St. and St. Cu. clouds were observed during the day after 9.30 A.M.

Prepared by J.H.C.
Verified by A. Meyl

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) APR 30 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	55	54	54	53	54	56	60	64	68	70	72	72	72	71	71	67	63	61	57	56	55	54	54
State of weather: Nature of precipitation and time of beginning and ending																	RB 4.30 RE 4.40	RB 5.05 RE 5.15						
Amounts of precipitation																	T	T						
Cloudiness and other conditions				←	Cloudy				×	Cl. Cloudy					×		Cloudy							→

Sunrise: Time, 4.40; Character, Cloudy

Sunset: Time, 6.26; Character, Cloudy

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)					0	0	0	0.3	0.5	1.0	1.0	1.0	1.0	0.9	0	0	0	0	0					
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SW	N	NE	NE	NE	NE	E	E
Wind movement	6	8	8	8	8	7	8	10	11	15	13	16	16	15	12	10	13	6	6	10	9	9	8	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	72	53	62	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 5.7

Possible sunshine, hours, 13.9

Percentage of possible sunshine, 41

Prevailing direction S

Total movement, 240

Average hourly velocity, 10.0

Maximum velocity,	Direction,	Time.
20	SW	Began 12.51 P.M.

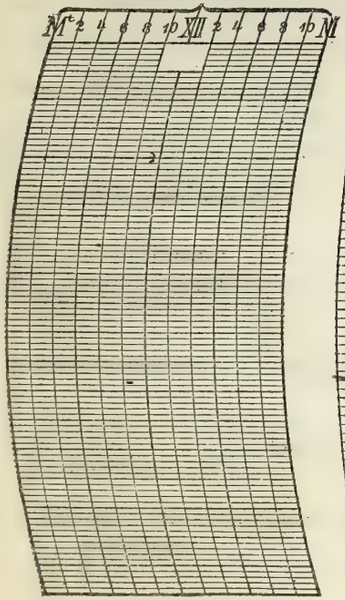
Extreme velocity, 21 - SW - 12.51 P.M.

Relative humidity, 64 a. m., 65 p. m.

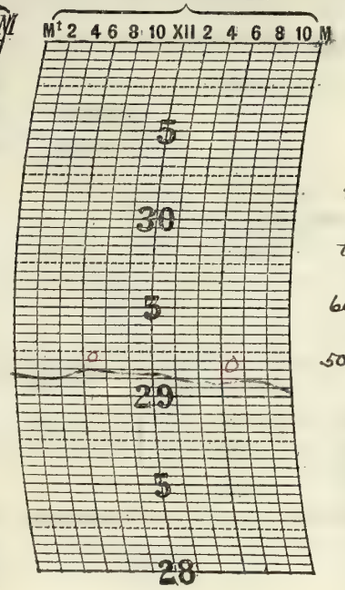
Reduced barometer, 30.06 a. m., 29.98 p. m.

River gage, 6.2 ft.

THERMOGRAPH.



BAROGRAPH.



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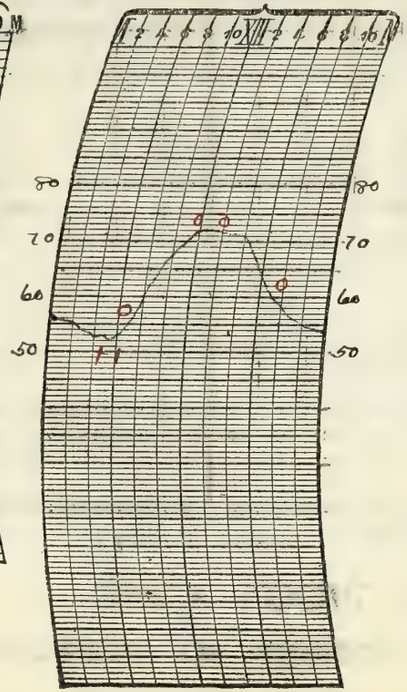


NOTES.

Light rain fell during the late afternoon.

Prepared by H.T.R.

Verified by P. M. S.

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 1 1916 . 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	52	58	59	58	59	63	64	65	66	71	70
State of weather: Nature of precipitation and time of beginning and ending				RB 2DN RE DN T								RB 1.00 RE 11.52 T
Amounts of precipitation												
Cloudiness and other conditions					← Pt Cldy					Cloudy		
Sunrise: Time, 4.39 Character, Cloudy												
Sunshine (in tenths of hours)					0	0	0.2	0.1	0	0.5	0.8	0.4
Wind direction	E	E	S	S	SW	S	SW	SW	SW	SW	SW	SW
Wind movement	7	4	10	12	10	12	18	18	19	21	20	19
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	56	53	47	43	43	44	44	43	43	42	42
State of weather: Nature of precipitation and time of beginning and ending		RB 1.05					RE 6.30					
Amounts of precipitation		.02	.03	.04	.01	T	T					
Cloudiness and other conditions						Cloudy						
Sunset: Time, 6.37 Character, Cloudy												
Sunshine (in tenths of hours)	0.2	0	0	0	0	0	0					
Wind direction	SW	SW	W	W	W	W	W	W	NW	W	NW	W
Wind movement	22	20	14	14	13	12	12	12	11	11	14	9
Maximum velocities (exceeding 24 miles) direction and time		35 SW 1.06										

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

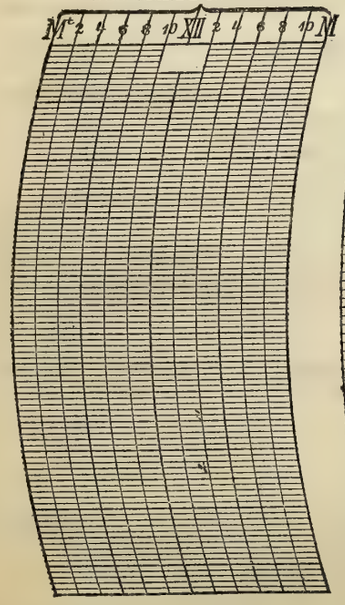
	Maximum.	Minimum.	Mean.	Normal.
	71	42	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .10 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10) 9
Actual sunshine, hours, 2.2
Possible sunshine, hours, 14.0
Percentage of possible sunshine, 16
Prevailing direction SW
Total movement, 334
Average hourly velocity, 13.9

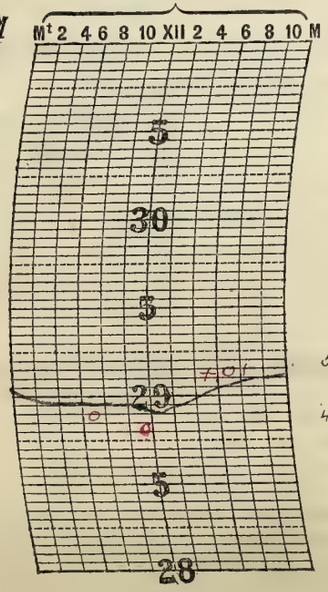
Maximum velocity,	Direction,	Time.
35	SW	Began 1.06 P.M.

Extreme velocity, 35 - SW - 1.06 P.M.
Relative humidity, 51 a. m. 90 p. m.
Reduced barometer, 29.84 a. m. 29.99 p. m.
River gage, 6.0 ft.

THERMOGRAPH.



BAROGRAPH.



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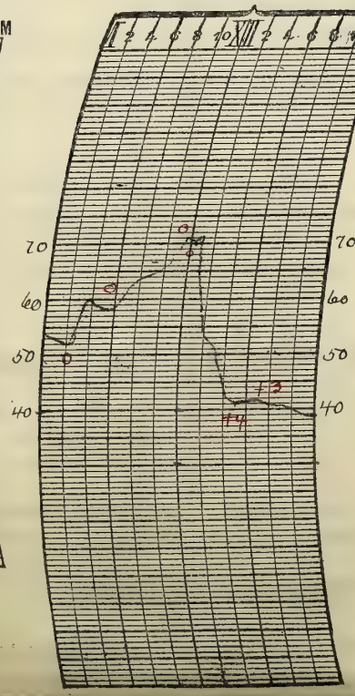


NOTES.

The following warning was received from "C.O." at 9.20 A.M.: "Much colder tonight. heavy frost". The warning was disseminated in the morning forecasts, by press, and phone. Strong and somewhat gusty winds prevailed during the forenoon and part of the afternoon.

Prepared by H.F.C.
Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 2 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	41	39	37	38	39	40	40	41	42	44	45	47	48	49	53	56	57	51	48	48	47	47	46	45
State of weather: Nature of precipitation and time of beginning and ending																RB 3.40	RE 4.10						RB DN	
Amounts of precipitation																T	T						.01	.02
Cloudiness and other conditions								Cloudy									Cloudy							
Sunrise: Time, 4.37 Character, Cloudy																					Sunset: Time, 6.38 Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	NW	NW	N	N	NE	NE	NE	NE	NE	E	E	E	E	NE	NE	E	NE	NE	NE	NE	NE	E	E	E
Wind movement	9	9	7	5	4	6	7	10	6	6	4	6	5	7	8	7	9	9	8	9	9	7	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
57	37	47	

Total depth of snow for 24 hours ending ___ p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Cloudy Moon phase, New Moon 11.29 A

Average daily cloudiness (0–10), 10

Actual sunshine, hours, 0

Possible sunshine, hours, 140

Percentage of possible sunshine, 0

Prevailing direction NE

Total movement, 177

Average hourly velocity, 7.4

Maximum velocity, 13 Direction, E Time. Began 10.40 P.M.

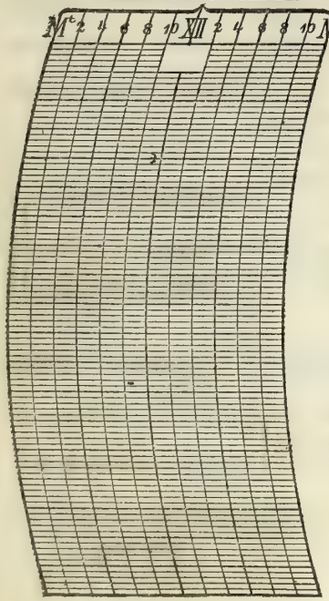
Extreme velocity, 13 — E — 10.40 P.M.

Relative humidity, 93 a. m. 82 p. m.

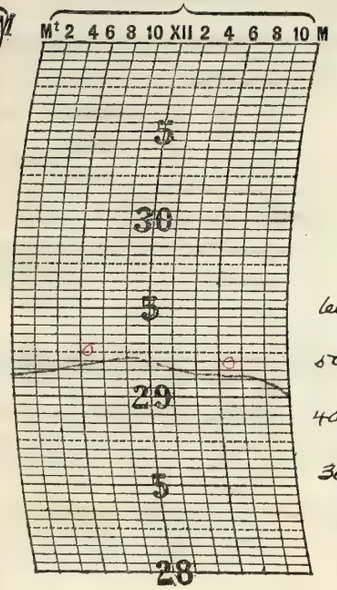
Reduced barometer, 30.13 a. m. 30.05 p. m.

River gage, 5.9 ft.

THERMOGRAPH.



BAROGRAPH.



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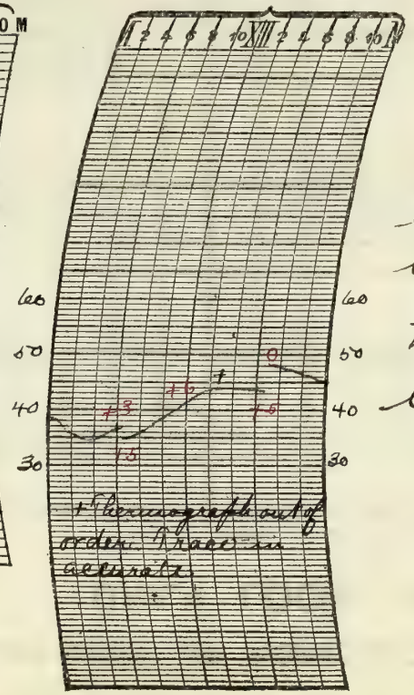


NOTES.

The following warning was received from "C.C." at 9.18 A.M. "Frost tonight if weather clears." The warning was disseminated in the morning forecast by press, and phone.

Maple trees were observed to be beginning to leaf.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 3 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	43	43	42	43	43	44 RE 7.15	47	48	49	49	49	51	52	51	51	52	52	50	49	47	47	47
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	.27	.22	.14	.04	.04	T	.04	T																
Cloudiness and other conditions							Cloudy						Cloudy						P.C.	Clear				
Sunrise: Time, 4.36 Character, Cloudy																					Sunset: Time, 6.39 Character, Clear			
Sunshine (in tenths of hours)		1			10	0	0	0	0.3	0	0	0	0	0.4	0.1	0	0	0	.65 0					
Wind direction	NE	NE	NE	N	NE	NE	NE	NE	NE	NE	N	N	NW	NW	NW	NW	NW	NW	W	SW	SW	SW	SW	SW
Wind movement	10	10	12	10	11	11	9	10	13	8	7	6	7	6	8	11	8	5	4	4	5	6	7	7
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
52	42	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m. .78 ins.; to 7 p. m., .11 ins.

Total precipitation, midnight to midnight, .75 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 1.4

Possible sunshine, hours, 14.0

Percentage of possible sunshine, 10

Prevailing direction NE

Total movement, 195

Average hourly velocity, 8.1

Maximum velocity,	Direction,	Time.
15	NE	Began 2.08 A.M.

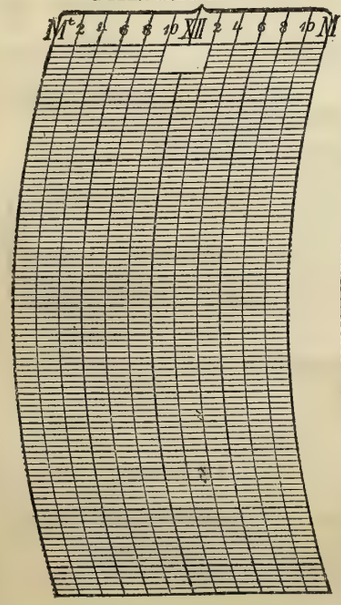
Extreme velocity, 15 - NE - 2.08 A.M.

Relative humidity, 100 a. m. 79 p. m.

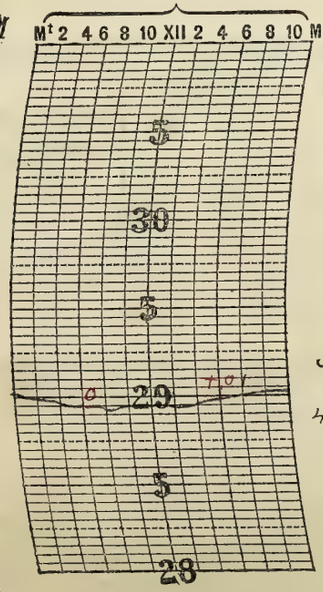
Reduced barometer, 29.85 a. m. 29.94 p. m.

River gage, 5.4 ft.

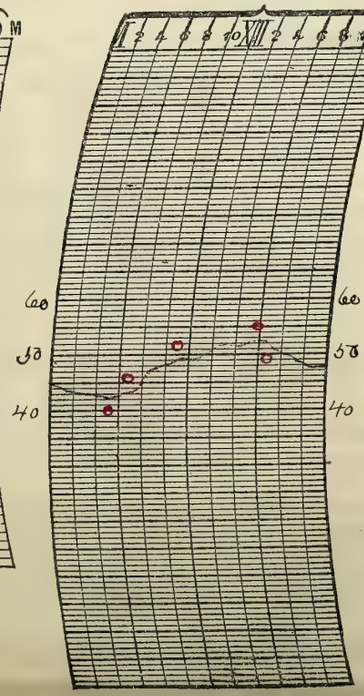
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received from "C.O." at 8.50 A.M. "Probably frost north portion tonight." The warning was disseminated in the morning forecasts, by press and 'phone.

The sun shone through opening in the clouds at intervals during the day after 8.00 A.M. and the sky became clear at 6.30 P.M.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 4 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	47	47	47	47	48	50	51	55	58	60	60	61	62 61	61	61	61	59	57	56	55	54	53	52
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←			Cloudy							Cloudy ×			Pt Cloudy				→			
Sunrise: Time, 4.35 Character, Cloudy																					Sunset: Time, 6.40 Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0	0.7	0.9	0.8	0.2	0.4	0.3	0	0.3	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	SW	S
Wind movement	7	7	6	7	8	8	9	11	12	16	17	16	16	16	16	12	14	13	11	12	13	12	11	12
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum.	Minimum.	Mean.	Normal.
62	47	54	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches. ✓

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8 ✓

Actual sunshine, hours, 3.6

Possible sunshine, hours, 14.1

Percentage of possible sunshine, 26 ✓

Prevailing direction SW ✓

Total movement, 282 ✓

Average hourly velocity, 11.8 ✓

Maximum velocity,	Direction,	Time.
23	SW	Began 10.47 AM

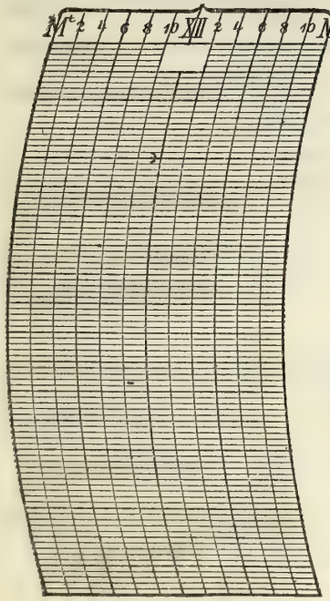
Extreme velocity, 23 - SW - 10.47 A.M. ✓

Relative humidity, 87 a. m. ✓ 72 p. m. ✓

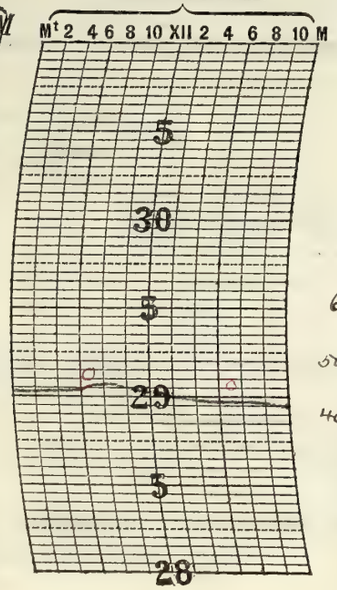
Reduced barometer, 29.97 a. m. ✓ 29.89 p. m. ✓

River gage, 7.1 ft. ✓

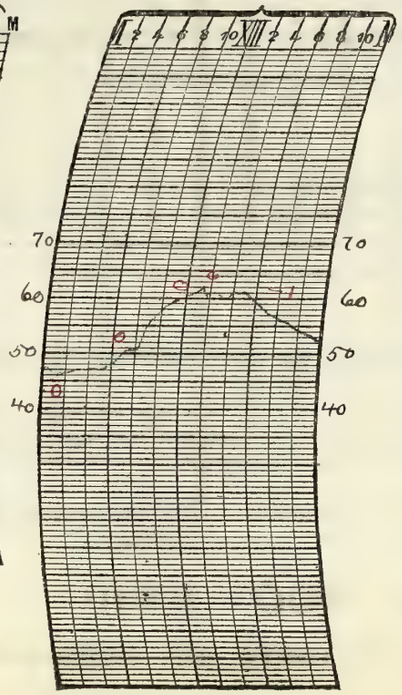
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through openings in the clouds during the middle of the day and late afternoon.

Prepared by HFR.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 5 1916 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	51	52	52	52	53	54	58	62	65	68	68	69	68	69	69	68	65	62	59	57	55	54	51
State of weather: Nature of precipitation and time of beginning and ending						RB DN RE DN																		
Amounts of precipitation																								
Cloudiness and other conditions						← P. Cx — Clear							× Pt Cldy ×					Clear						
Sunshine (in tenths of hours)					0	0	0.4	1.0	1.0	1.0	1.0	0.9	0.8	0.9	1.0	1.0	0.4	0.8	0					
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW	NW	NW	NW	NW	NW	W	W	W	W
Wind movement	14	13	14	14	15	15	15	18	16	14	14	16	18	17	17	17	14	12	10	8	6	3	5	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.33 Character, Cloudy

Sunset: Time, 6.41 Character, Clear

0.1 .68

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
69	51	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 11.0

Possible sunshine, hours, 14.1

Percentage of possible sunshine, 78

Prevailing direction SW. NW.

Total movement, 309

Average hourly velocity, 12.9

Maximum velocity, 20 Direction, SW Time. Began 7.14 AM.

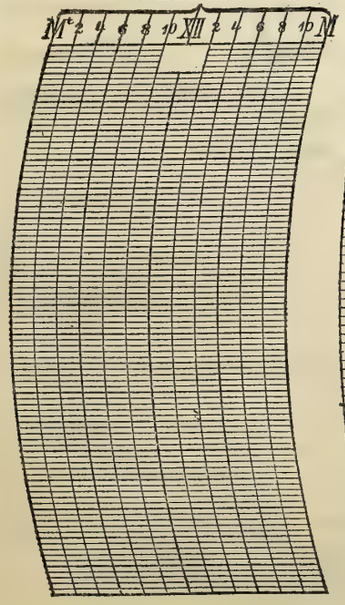
Extreme velocity, 21 — SW — 7.14 AM.

Relative humidity, 78 a. m. 44 p. m.

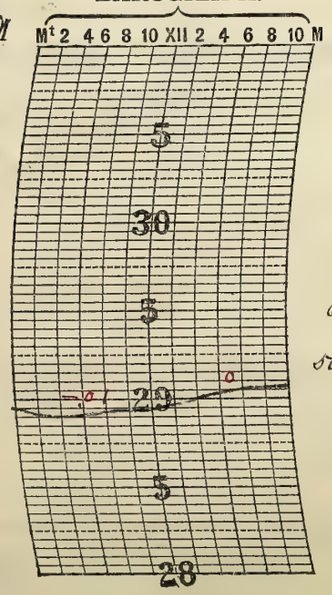
Reduced barometer, 29.81 a. m. 29.96 p. m.

River gage, 6.2 ft.

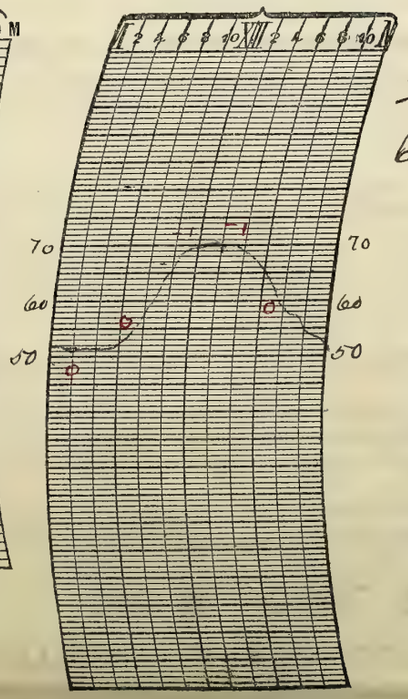
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

+ hourly amounts estimated. anemo circuit out of order.

St. Cu. clouds prevailed from 11.20 AM. to 6.00 P.M.

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 6 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	50	50	50	50	49	53	58	62	68	72	74	76
State of weather: Nature of precipitation and time of beginning and ending							RB 6.05 RE 6.20					
Amounts of precipitation							T					
Cloudiness and other conditions						← P.C.	× Clear			Pt Cldy		
Sunrise: Time, Character, 4.32 Cloudy												
Sunshine (in tenths of hours)					0	0	0.6	0.5	0.5	1.0	1.0	1.0
Wind direction	W	SW	S	S	S	S	S	S	S	S	S	SW
Wind movement	5	6	6	4	9	8	8	14	10	17	22	22
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	80	82	85	82	60	63	62	61	60	60	60	60
State of weather: Nature of precipitation and time of beginning and ending					RB 4.20		RE 6.35	RB 7.02			RE DN	
Amounts of precipitation					.42	.02	.04	.05	.05	.06	.01	
Cloudiness and other conditions	×			Cloudy								
Sunset: Time, Character, 6.42 Cloudy												
Sunshine (in tenths of hours)	0.6	1.0	0.6	0.4	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	E	E	E	SW	S	S
Wind movement	17	14	7	7	16	4	5	5	4	5	3	4
Maximum velocities (exceeding 29 miles) direction and time					37 SW 4.33							

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
85	49	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .48 ins.

Total precipitation, midnight to midnight, .65 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 7.2

Possible sunshine, hours, 14.2

Percentage of possible sunshine, 51

Prevailing direction S

Total movement, 222

Average hourly velocity, 9.2

Maximum velocity, 37 Direction, SW Time. Began 4.33 P.M.

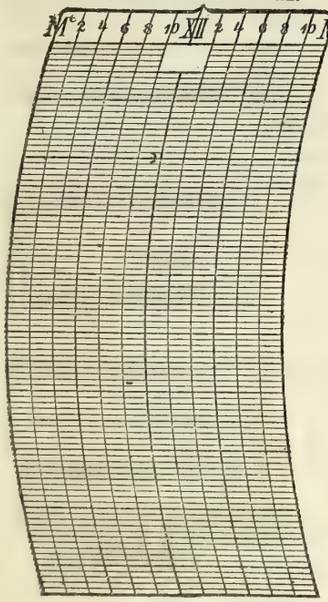
Extreme velocity, 39 - SW - 4.35 P.M.

Relative humidity, 55 a. m. 97 p. m.

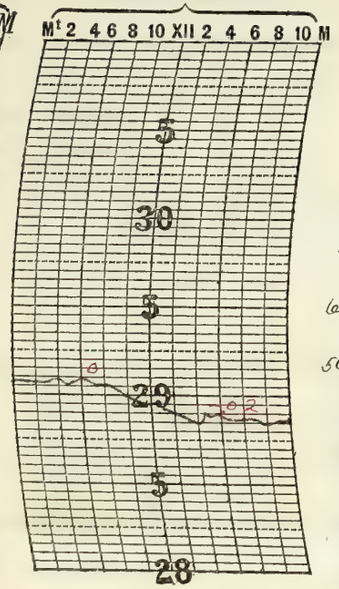
Reduced barometer, 29.97 a. m. 29.75 p. m.

River gage, 6.2 ft.

THERMOGRAPH.



BAROGRAPH.



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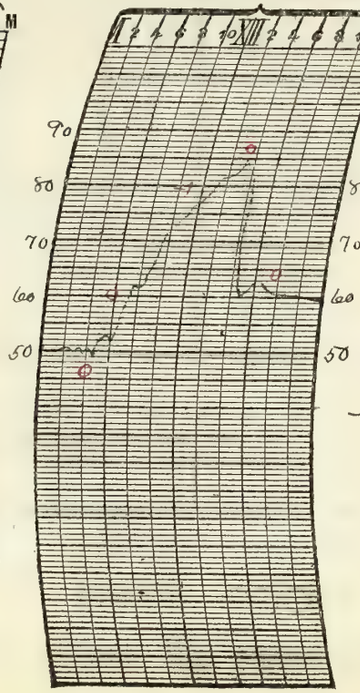


NOTES.

A moderate thunderstorm passed over the station during the late afternoon. The storm came from the southwest. The first thunder was heard at 4.10 P.M. and last was heard at 5.00 P.M. The city was overcast with much darkness during the storm and the storm was accompanied by high winds. Thunder was also heard from 9.00 P. to 9.30 P.M.

Prepared by J.G.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 7 1916 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	58	57	55	55	59	61	65	70	72	75	77	78	80	80	81	80	79	76	74	72	71	70	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Clear						Clear										→
Sunrise: Time, Character,	4.31 Clear																				Sunset: Time, Character,			6.43 Clear
Sunshine (in tenths of hours)					1.48 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	.72 0					
Wind direction	S	S	S	SW	SW	SW	SW	SW	NW	W	W	SW	SW	SW	SW	SW	S	SE	SE	SE	SE	SE	S	S
Wind movement	4	4	6	6	4	2	3	4	4	4	6	8	9	8	6	6	6	6	6	6	7	8	8	12
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

	Maximum.	Minimum.	Mean.	Normal.
	81	55	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .17 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) Few

Actual sunshine, hours, 14.2

Possible sunshine, hours, 14.2

Percentage of possible sunshine, 142

Prevailing direction SW

Total movement, 143

Average hourly velocity, 6.0

Maximum velocity,	Direction,	Time.
13	S	Began 11.54 PM

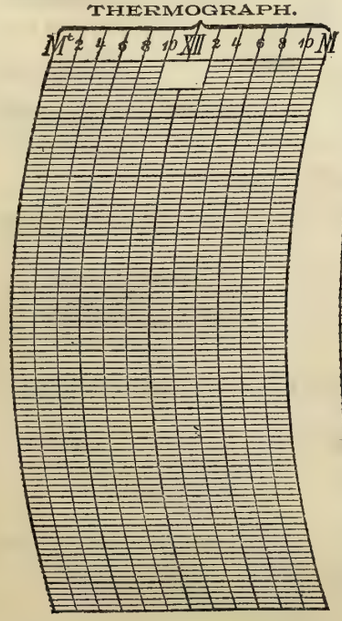
Extreme velocity, 13 - S - 11.54 PM

Relative humidity, 89 a. m. 70 p. m.

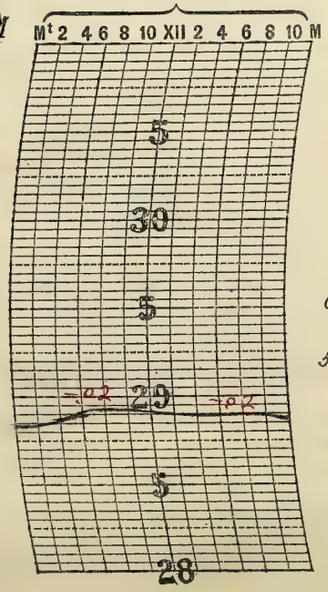
Reduced barometer, 29.83 a. m. 29.79 p. m.

River gage, 6.6 ft.

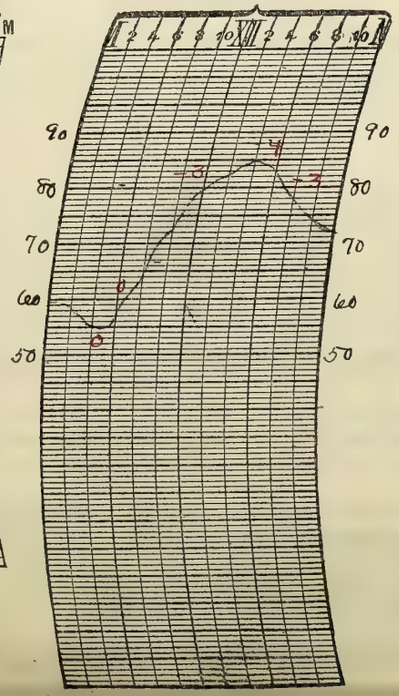
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was rather hot and sultry and but few St. Cu. clouds were observed during the day.

Prepared by J.H.A.C.

Verified by

8—436

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 8 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	68	68	67	64	64	68	65	61	60	64	68
State of weather: Nature of precipitation and time of beginning and ending				RB DN	RE DN							
Amounts of precipitation				.02	.04							
Cloudiness and other conditions						← Pt Cloudy					Clear	
Sunshine (in tenths of hours)					0	0	0.5	0.2	0	1.0	1.0	1.0
Wind direction	S	SW	SW	SW	SW	SW	W	NW	NW	NW	NW	W
Wind movement	12	11	13	18	12	14	16	21	19	18	17	17

Sunrise: Time, 4.30; Character, Cloudy

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	70	71	72	70	68	66	64	62	59	58	56
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.73 0					
Wind direction	W	W	W	W	W	W	W	W	W	W	W	SW
Wind movement	17	19	20	20	19	16	15	16	17	17	14	14

Sunset: Time, 6.44; Character, Clear

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
72	56	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .06 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .06 inches.

Character of day, Clear Moon phase

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 10.4

Possible sunshine, hours, 14.2

Percentage of possible sunshine, 73

Prevailing direction W

Total movement, 392

Average hourly velocity, 16.3

Maximum velocity, 25 Direction, NW Time. Began 7.26 AM

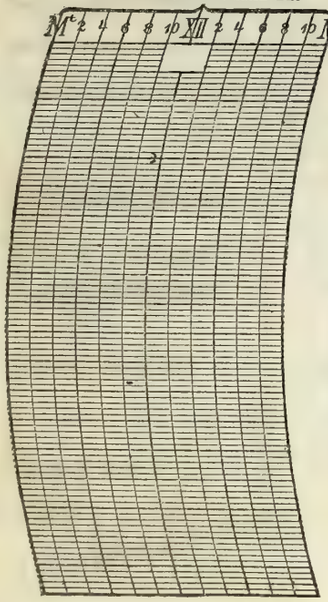
Extreme velocity, 25 – NW – 7.26 AM

Relative humidity, 83 a. m. 62 p. m.

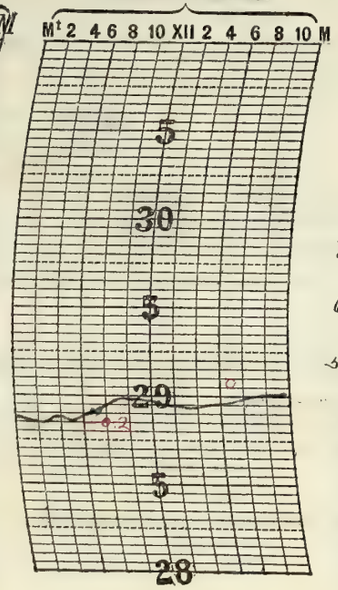
Reduced barometer, 29.79 a. m. 29.89 p. m.

River gage, 8.0 ft

THERMOGRAPH.



BAROGRAPH.



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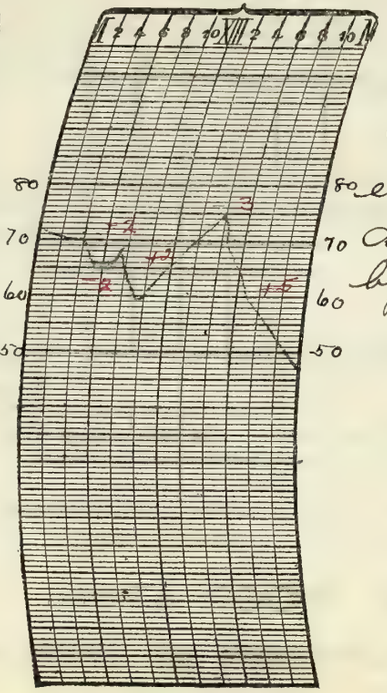


NOTES.

The following warning was received from "Q" at 9.45 A.M. "Possibly light frost tonight extreme north portion". The warning was disseminated in the morning forecasts, by press and 'phone.

Prepared by J.A.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 9 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	55	54	53	52	50	51	53	55	58	60	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunrise: Time, Character,	4.29 Clear											
Sunshine (in tenths of hours)					0	0	0.9	1.0	1.0	1.0	1.0	1.0
Wind direction	W	W	W	W	W	NW	NW	NW	W	NW	W	W
Wind movement	13	12	12	10	7	4	6	9	10	11	9	9

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	65	67	68	69	68	67	65	63	62	62	62	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Clear					Pt Cloudy					
Sunset: Time, Character,									6.45 Cloudy			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.3	0					
Wind direction	W	W	W	W	W	SW	SW	S	S	SE	SE	SE
Wind movement	10	9	9	9	8	9	6	6	7	9	8	5

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
69	50	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 12.8

Possible sunshine, hours, 14.3

Percentage of possible sunshine, 90

Prevailing direction W

Total movement, 207

Average hourly velocity, 8.6

Maximum velocity, 15 Direction, W Time. Began 12.03 AM

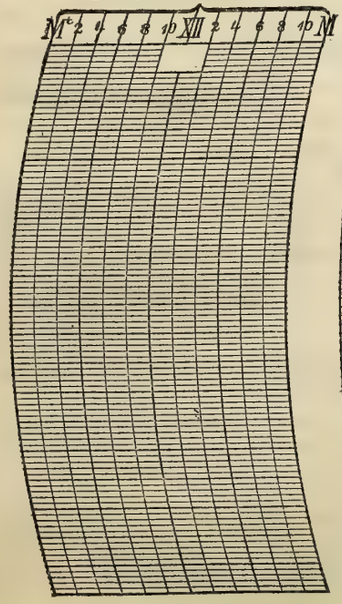
Extreme velocity, 15 – W – 12.03 AM.

Relative humidity, 58 a. m. 53 p. m.

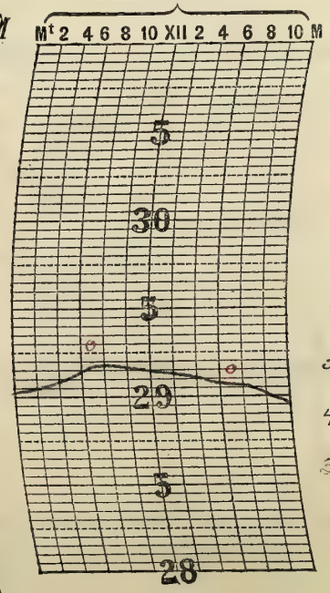
Reduced barometer, 30.07 a. m. 30.00 p. m.

River gage, 8.2 ft

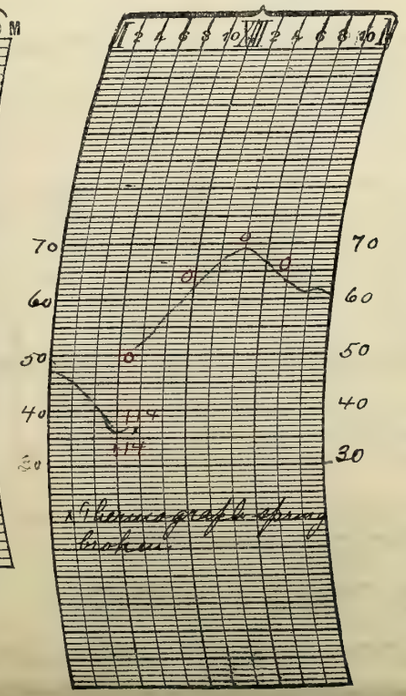
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by N.T.O.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 10 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	61	61	61	61	60	62	65	68	71	74	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Cloudy							
Sunrise: Time, Character,	4.28 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0.3	0.2	0.3
Wind direction	SE	SE	SE	SE	SE	S	S	S	S	SW	S	SW
Wind movement	9	14	13	14	18	19	21	22	18	18	23	24
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	81	81	80	81	80	75	73	68	66	61	59	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy × Partly × Clear →							
Sunset: Time, Character,									6.46 Clear			
Sunshine (in tenths of hours)	1.0	0.6	0.2	0.3	0.8 0.2	1.0 0	.77 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W
Wind movement	34	32	26	27	33	28	19	20	22	20	20	16
Maximum velocities (exceeding 29 miles) direction and time	37 SW 12.15	40 SW 1.28	31 SW 2.10	35 SW 3.10	42 SW 4.54	38 SW 5.10						

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	81	56	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, First Quarter 2.47 A

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 5.7

Possible sunshine, hours, 14.3

Percentage of possible sunshine, 40

Prevailing direction SW

Total movement, 510

Average hourly velocity, 21.2

Maximum velocity, 42 Direction, SW Time. Began 4.54 P.M.

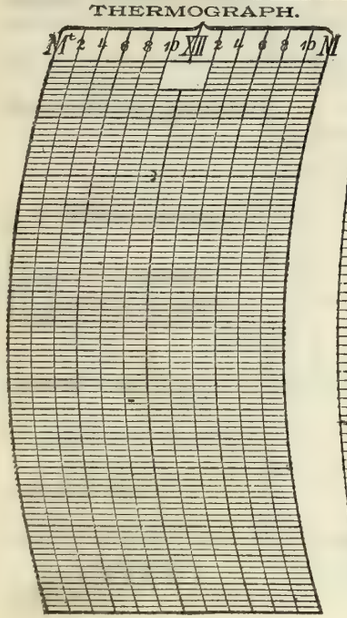
Extreme velocity, 45 - SW - 4.56 P.M.

Relative humidity, 60 a. m. 63 p. m.

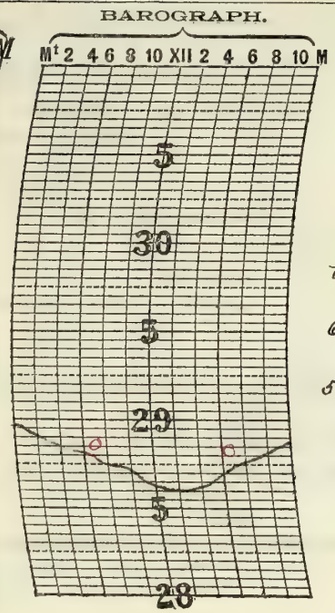
Reduced barometer, 29.67 a. m. 29.60 p. m.

River gage, 7.8 ft.

THERMOGRAPH.



BAROGRAPH.



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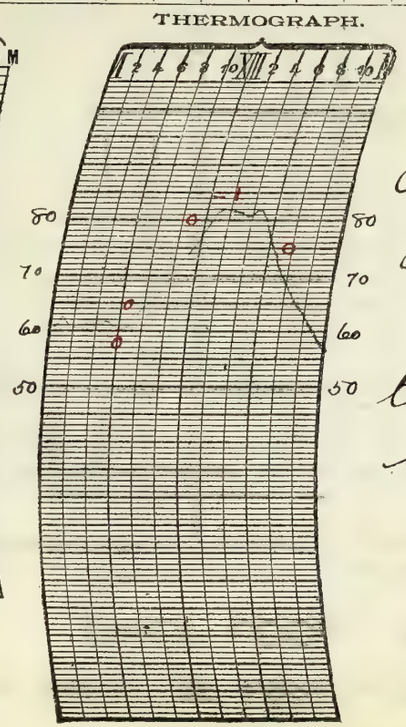


NOTES.

Strong gusty winds prevailed during the day, especially in the afternoon.

Light haze was observed during the late afternoon and evening.

Ci and Ci St. clouds prevailed during the afternoon

Prepared by HTC.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 11 1916 . 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	53	52	50	51	52	53	56	59	62	63	64	65	66	68	67	66	65	63	60	58	56	54	52
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear								Clear × Pt Cloudy →											
Sunshine (in tenths of hours)					0	0	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0					
Wind direction	W	SW	SW	W	W	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NW
Wind movement	13	12	13	11	13	11	13	13	18	21	21	21	22	21	20	20	19	14	9	5	6	4	4	6

Sunrise: Time, 4.27; Character, Clear

Sunset: Time, 6.47; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	68	50	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 3

Actual sunshine, hours, 12.2

Possible sunshine, hours, 14.3

Percentage of possible sunshine, 85

Prevailing direction W

Total movement, 330

Average hourly velocity, 13.8

Maximum velocity, 28 Direction, W Time. Began 11.19 AM

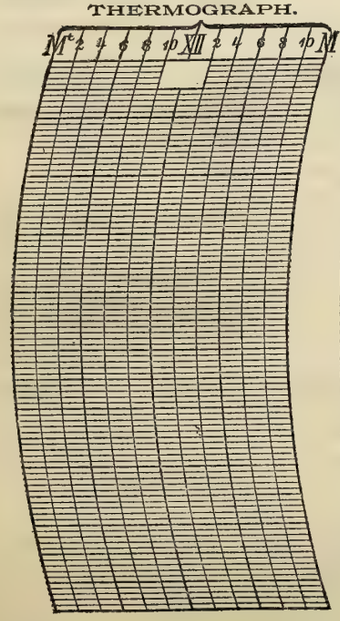
Extreme velocity, 28 - W - 11.19 AM.

Relative humidity, 64 a. m. 36 p. m.

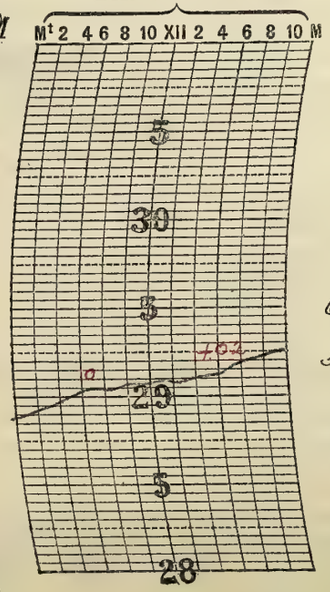
Reduced barometer, 29.96 a. m., 30.10 p. m.

River gage, 8.0 ft

THERMOGRAPH.



BAROGRAPH.



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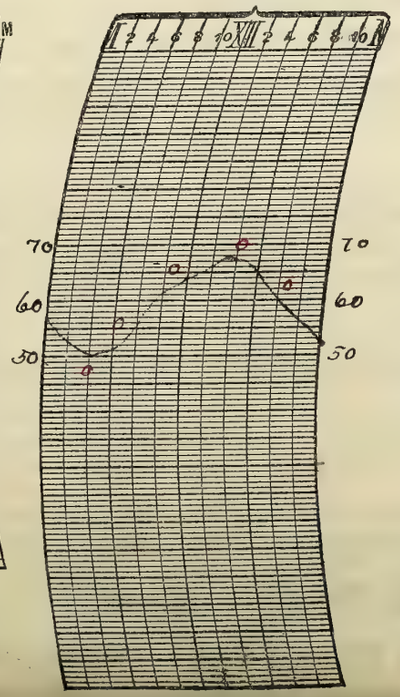


NOTES.

Ci and Ci. St. clouds prevailed during most of the day.

Prepared by J.A.T.C.

Verified by P.M.G.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 12 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	51	50	49	46	45	46	49	51	54	56	57	58	58	58	58	58	57	56	55	54	53	53	52	51
State of weather: Nature of precipitation and time of beginning and ending																	RB 4.25	RE 5.50						
Amounts of precipitation																	T	T						
Cloudiness and other conditions					← Pt Cloudy			× Cloudy										Cloudy						→
Sunshine (in tenths of hours)					0	0	0.2	0.8	1.0	1.0	0	0	0	0	0	0	0	0	0					
Wind direction	N	N	N	N	N	NE	NE	E	E	E	E	E	E	E	E	SE	SE	SE	SE	SE	E	NE	E	E
Wind movement	2	2	2	4	6	6	10	8	9	9	9	7	7	6	6	4	6	4	2	3	4	4	5	5

Sunrise: Time, 4.26 Character, Cloudy

Sunset: Time, 6.49 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
58	45	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 3.0

Possible sunshine, hours, 14.4

Percentage of possible sunshine, 21

Prevailing direction E

Total movement, 130

Average hourly velocity, 5.4

Maximum velocity, 12 Direction, E Time. Began 8.15 AM

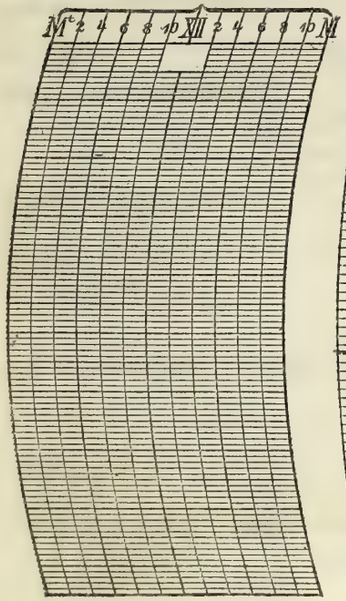
Extreme velocity, 12-E — 8.15 AM

Relative humidity, 58 a. m. 64 p. m.

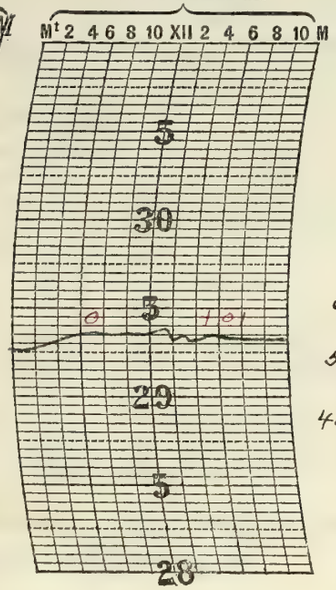
Reduced barometer, 30.29 a. m. 30.30 p. m.

River gage, 7.1 ft.

THERMOGRAPH.



BAROGRAPH.



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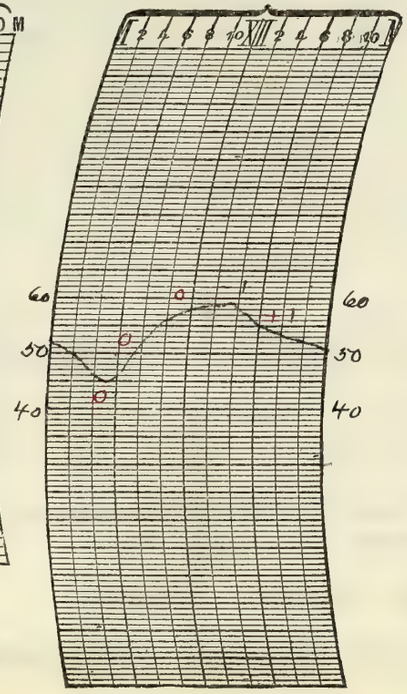


NOTES.

A. St. clouds prevailed during the forenoon.

It sprinkled from 4.25 P. to 5.50 P.M.

Prepared by J.H.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 13 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	48	47	47	48	52	56	59	61	63	63	64	64	64	64	64	61	59	58	55	54	53	54
State of weather: Nature of precipitation and time of beginning and ending														RB 1.40		RE 4.00								
Amounts of precipitation														T	T	T								
Cloudiness and other conditions					← Pt Cloudy								×			Cloudy								
Sunshine (in tenths of hours)					0	0	0.5	1.0	1.0	1.0	1.0	0.4	0	0	0	0	0	0	0					
Wind direction	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	NE	NE	NE	NE	E	NE	NE
Wind movement	7	8	7	6	6	7	10	14	16	15	12	12	10	8	7	8	9	12	13	12	12	14	12	13

Sunrise: Time, 4.25; Character, Cloudy

Sunset: Time, 6.50; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	64	47	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 4.9

Possible sunshine, hours, 14.4

Percentage of possible sunshine, 34

Prevailing direction NE, E

Total movement, 250

Average hourly velocity, 10.4

Maximum velocity, 21 Direction, E Time. Began 8.44 AM

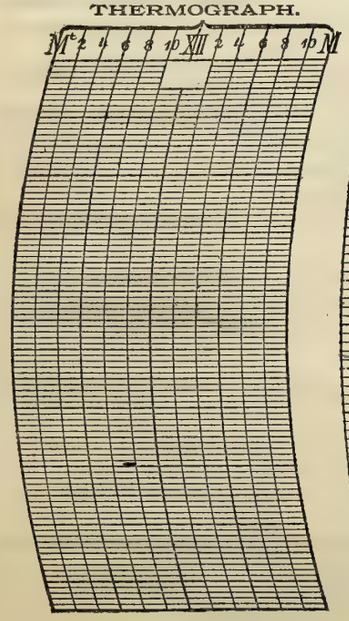
Extreme velocity, 22 - E - 8.44 AM

Relative humidity, 64 a. m. 64 p. m.

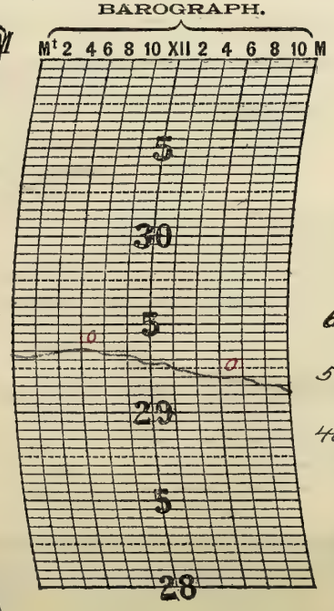
Reduced barometer, 30.31 a. m. 30.12 p. m.

River gage, 5.2 ft.

THERMOGRAPH.



BAROGRAPH.



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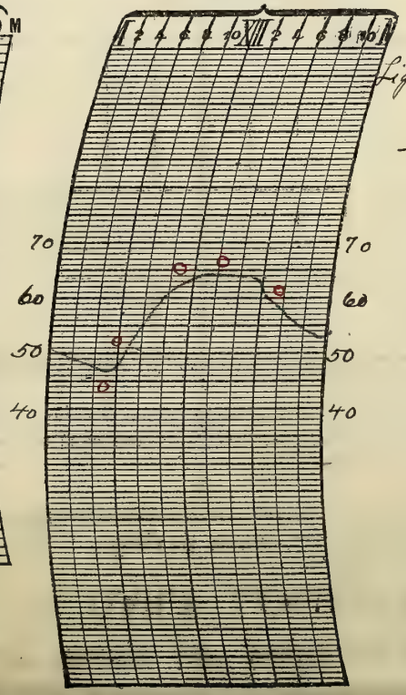


NOTES.

Light Rain fell at intervals during part of the afternoon.

Prepared by JHC

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 14 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	54	53	51	49	49	48	48	49	51	56	56	55
State of weather: Nature of precipitation and time of beginning and ending		RB DN							RE 8.35		RB 10.55	
Amounts of precipitation		T	.03	.05	.06	.15	.46	.19	.08		.02	.08
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.7	0
Wind direction	E	NE	NE	NE	NE	NE	NE	NE	E	E	E	SE
Wind movement	13	11	11	11	14	16	11	8	15	11	12	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	66	71	71	70	68	67	67	67	66	65	64
State of weather: Nature of precipitation and time of beginning and ending	RE 12.20							RB 7.00 RE 8.00				
Amounts of precipitation	.03							T				
Cloudiness and other conditions			P.Cldy			Cloudy						
Sunshine (in tenths of hours)	0	0.9	1.0	0.3	0	0	0					
Wind direction	E	SE	SE	SE	E	E	E	E	NE	NE	E	E
Wind movement	8	8	9	5	5	7	8	8	7	8	8	8

Sunrise: Time, 4.24 Character, Cloudy

Sunset: Time, 6.51 Character, Cloudy

Maximum velocities (exceeding 2.9 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	71	48	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .73 ins.; to 7 p. m., .42 ins.

Total precipitation, midnight to midnight, 1.15 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 2.9

Possible sunshine, hours, 14.4

Percentage of possible sunshine, 20

Prevailing direction E

Total movement, 232

Average hourly velocity, 9.7

Maximum velocity,	Direction,	Time.
20	E	Began 5.45 AM

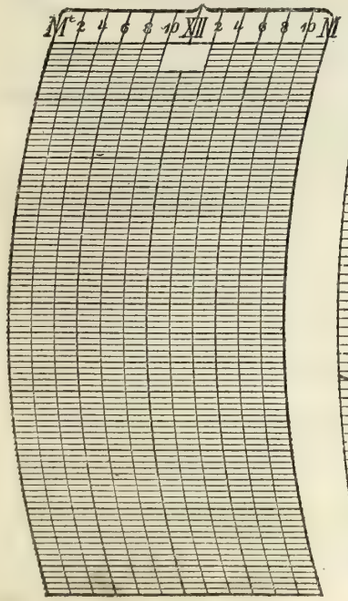
Extreme velocity, 20 – E – 5.45 A.M.

Relative humidity, 100 a. m., 92 p. m.

Reduced barometer, 30.04 a. m., 29.83 p. m.

River gage, 4.7 ft.

THERMOGRAPH.



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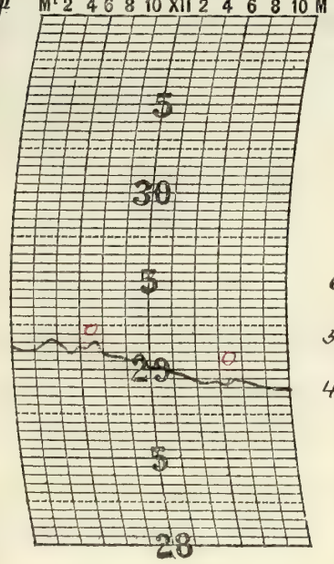

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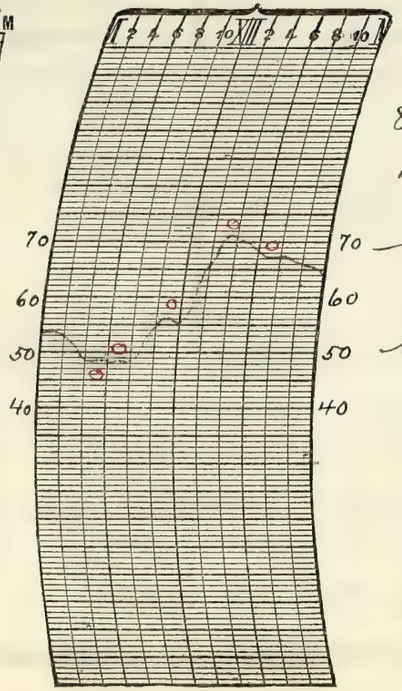


NOTES.

Thunder was heard from 2.00 A.M. to 8.00 A.M. and from 10.40 A.M. to 11.50 A.M. The showers all came from the southwest. The sun shone at intervals during the day.

Prepared by N.T.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 15 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	64	63	62	63	62	63	63	67	69	70	69	69	70	71	72	72	70	68	66	65	64	64	64
State of weather: Nature of precipitation and time of beginning and ending					RB DN	RE DN																		
Amounts of precipitation					T	.02																		
Cloudiness and other conditions				←	Cloudy								×			Pt Cloudy						→		
Sunrise: Time, Character,	4.23 Cloudy																							
Sunset: Time, Character,																					6.52 Cloudy			
Sunshine (in tenths of hours)					0	0	0	0	0.7	1.0	1.0	1.0	0.9	1.0	0.6	0.6	0.6	0	0					
Wind direction	E	N	NE	E	E	SE	SE	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW
Wind movement	7	11	11	11	7	4	5	8	14	18	21	21	21	22	19	17	17	10	8	8	8	9	11	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
72	62		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 7.4

Possible sunshine, hours, 14.5

Percentage of possible sunshine, 51

Prevailing direction SW

Total movement, 298

Average hourly velocity, 12.4

Maximum velocity, 26 Direction, SW Time. Began 1.44 P.M.

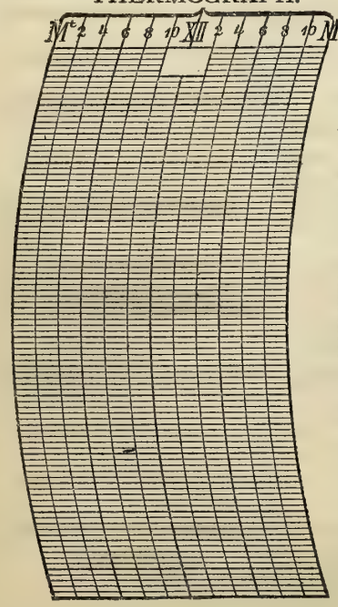
Extreme velocity, 26 - SW - 1.44 P.M.

Relative humidity, 92 a. m. 78 p. m.

Reduced barometer, 29.80 a. m., 29.79 p. m.

River gage, 6.2 ft.

THERMOGRAPH.



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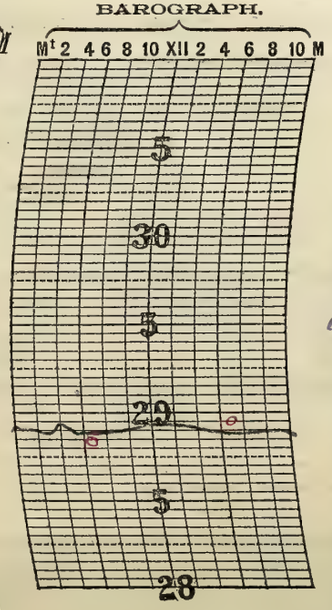

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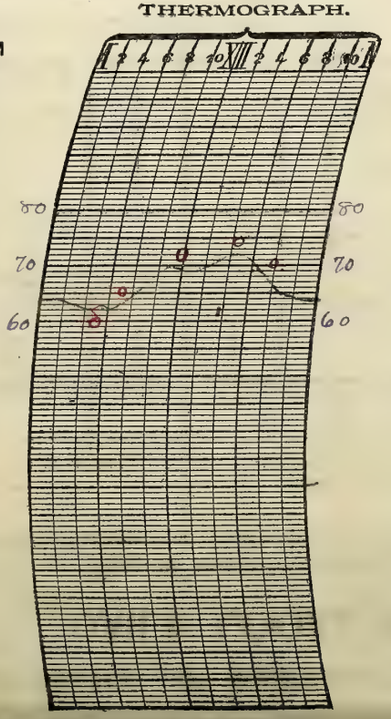


NOTES.

St. Cu. clouds prevailed during the middle of the day

Prepared by H.H.C.

Verified by P.M.E.

8—186

Form No. 1012—Oct 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 16 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	59	57	56	55	55	53	52	53	57	55	59
State of weather: Nature of precipitation and time of beginning and ending							RB 6.00 RE 6.50					
Amounts of precipitation							T					
Cloudiness and other conditions				← Cloudy						→ Pt Cldy		
Sunrise: Time, Character,	4.22 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	1.0	1.0	1.0
Wind direction	SW	SW	SW	W	W	W	W	SW	SW	SW	SW	SW
Wind movement	7	9	7	8	7	9	11	10	11	19	20	22

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	57	57	53	52	50	49	47	47	47	47	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				← Cloudy						→		
Sunset: Time, Character,									6.52 Cloudy			
Sunshine (in tenths of hours)	1.0	1.0	0.6	0	0	0	0					
Wind direction	SW	SW	SW	W	W	W	SW	SW	SW	SW	SW	SW
Wind movement	21	22	23	24	18	20	14	16	15	14	16	14

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
64	44	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy, Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 5.6

Possible sunshine, hours, 14.5

Percentage of possible sunshine, 39

Prevailing direction SW

Total movement, 336

Average hourly velocity, 14.0

Maximum velocity,	Direction,	Time.
18	SW	Began 0[illegible]

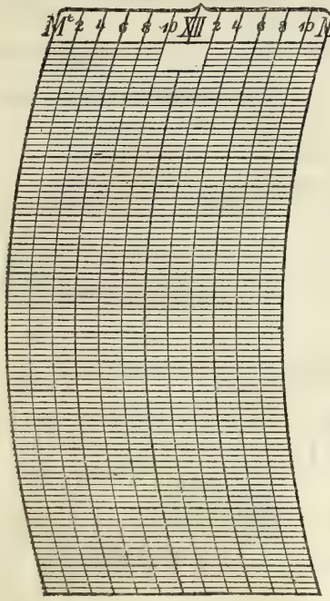
Extreme velocity, 29 SW 10 4 9 A

Relative humidity, 77 a. m., 67 p. m.

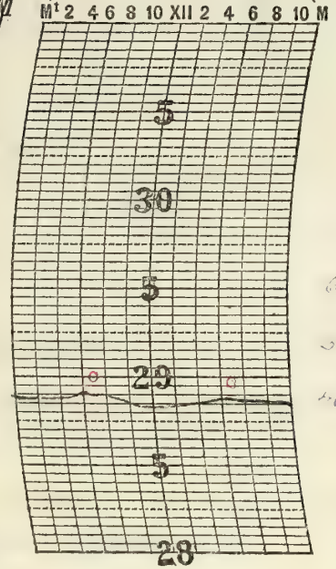
Reduced barometer, 29.81 a. m., [illegible] p. m.

River gage, 6.2 ft.

THERMOGRAPH.



BAROGRAPH.



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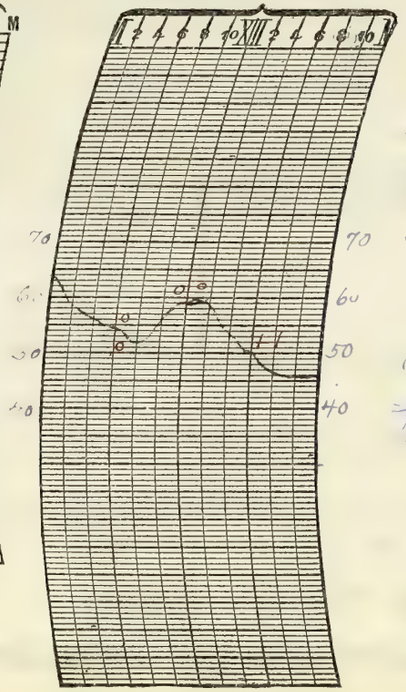


NOTES.

The sun shone through openings in the clouds during the middle [illegible]

The following warning was received from "C.O." at 9 30 A.M. "Probably frost tonight north portion." The warning was disseminated in the morning [illegible] by telephone [illegible]

Prepared by J.H.C.

Verified by P.M.S.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 17 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	45	44	43	44	46	47	49	51	52	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				← Clear					← Pt cloudy			
Sunshine (in tenths of hours)					.65	0.8						
		1			0	0.2	1.0	0.7	0.7	0.7	0.8	0.7
Wind direction	SW	SW	SW	SW	SW	W	W	W	W	W	W	W
Wind movement	14	15	11	12	11	13	16	19	22	25	28	23
Maximum velocities (exceeding 29 miles) direction and time											30 W 10.20	

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	56	55	56	54	52	50	48	46	44	
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												→
Sunshine (in tenths of hours)	0	0.8	0.2	0.1	0	0.2	0.8	0.8				
							0					
Wind direction	W	W	NW	W	W	W	W	W	NW	NW	W	W
Wind movement	25	24	17	18	16	15	11	7	10	10	11	11
Maximum velocities (exceeding 29 miles) direction and time	32 W 12.16											

Sunrise: Time, 4.21; Character, Clear

Sunset: Time, 6.53; Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

	Maximum.	Minimum.	Mean.	Normal.
	5	3		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear; Moon phase, Full Moon 8 4.2

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 11.3

Possible sunshine, hours, 14.5

Percentage of possible sunshine, 78

Prevailing direction

Total movement,

Average hourly velocity,

Maximum velocity,	Direction,	Time.
32	W	Began 12.16 P.M.

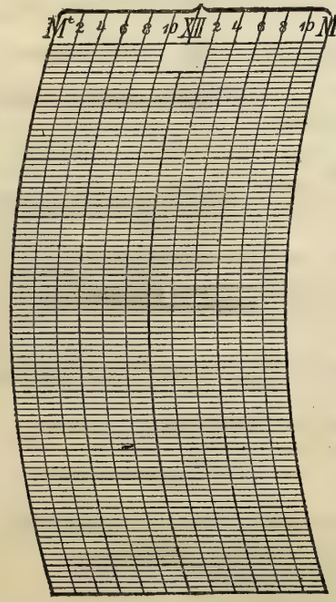
Extreme velocity, 33 - W - 12.16 P.M.

Relative humidity, 73 a. m. 52 p. m.

Reduced barometer, 29.79 a. m. 29.80 p. m.

River gage,

THERMOGRAPH.



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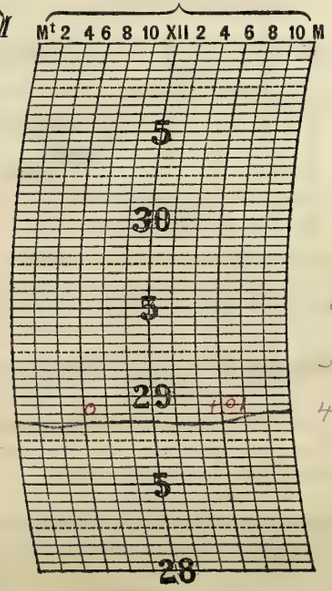

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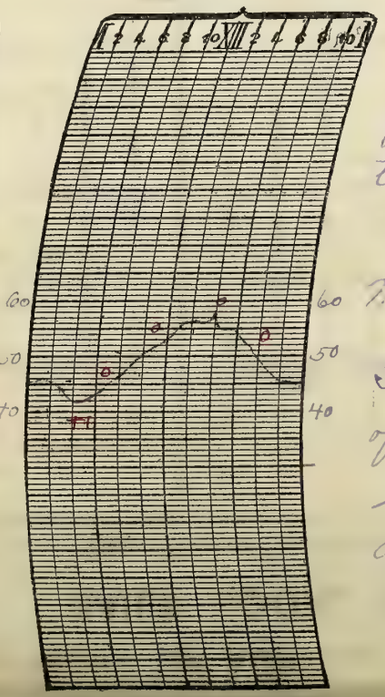


NOTES.

The following warning was received from "CO" at 8.55 A.M. "Possibly light frost tonight in low places extreme north portion. The warning was disseminated in the morning forecasts, by flags and blows."

High steady winds prevailed during the middle of the day.

St. Cu. clouds prevailed during the day after 8.00 A.M.

Prepared by H.F.C.

Verified by P.McD.

8—186

Form No. 1-R Rev. 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) MAY 18 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	42	41	40	40	41	44	44	45	45	46	48	51	53	54	55	56	56	54	52	50	48	47	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Cloudy							×	Pt Cldy		×	Clear							
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.2	0.7	0.8	1.0	1.0	1.0	1.0	0.6 0.4	0.9 0					
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW
Wind movement	4	4	5	5	5	6	7	9	12	15	15	17	18	18	15	16	14	10	7	9	10	11	11	11

Sunrise: Time, 4.20 Character, Cloudy

Sunset: Time, 6.54 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
56	40		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10)

Actual sunshine, hours, 16

Possible sunshine, hours, 14.6

Percentage of possible sunshine, 50

Prevailing direction W

Total movement, 258

Average hourly velocity, 10.5

Maximum velocity, 29 Direction, W Time. Began 1.50

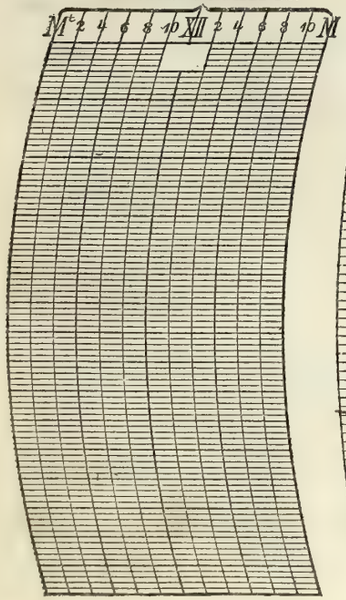
Extreme velocity, 21-W-1.51 PM

Relative humidity, 77 a. m., 53 p. m.

Reduced barometer, 29.88 a. m., 29.48 p. m.

River gage, 5.8 ft.

THERMOGRAPH.



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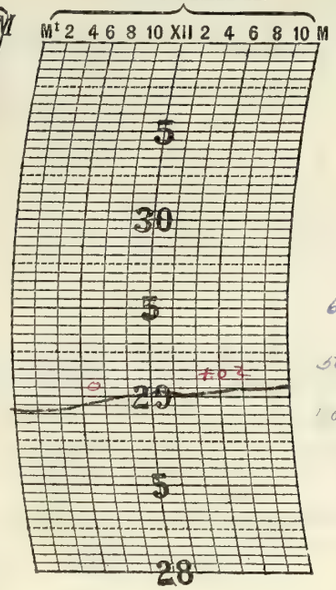

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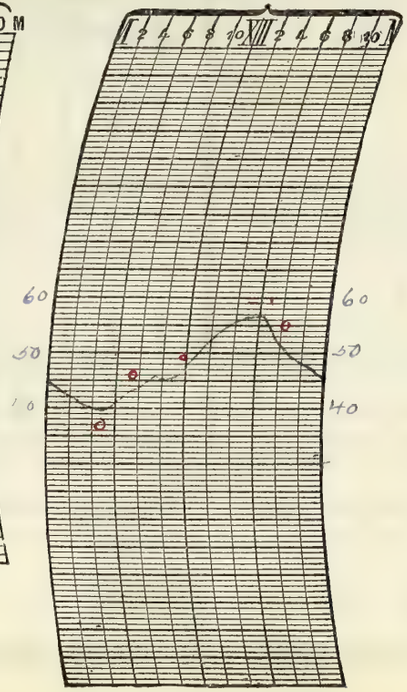


NOTES.

Prepared by H.T.C.

Verified by P.M.G.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAY 19 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	44	44	43	42	44	50	55	58	60	61	62	64	65	65	55	56	55	54	53	52	51	49	48
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear							Pt Cldy	Cldy	Cldy	Pt Cldy							
Sunshine (in tenths of hours)					.68	0.9																		
					0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.5	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	N	N	N	N	NW	NW	N
Wind movement	11	11	11	11	9	12	12	17	18	20	20	21	22	20	21	18	14	8		3	1	1	3	4
Maximum velocities (exceeding 21.9 miles) direction and time																								

Sunrise: Time, 4.19 Character, Clear

Sunset: Time, 6.55 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
65	42	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 11.3

Possible sunshine, hours, 14.6

Percentage of possible sunshine, 77

Prevailing direction SW

Total movement, 417

Average hourly velocity, 17.4

Maximum velocity, 27 Direction, SW Time. Began 12.22 P.M.

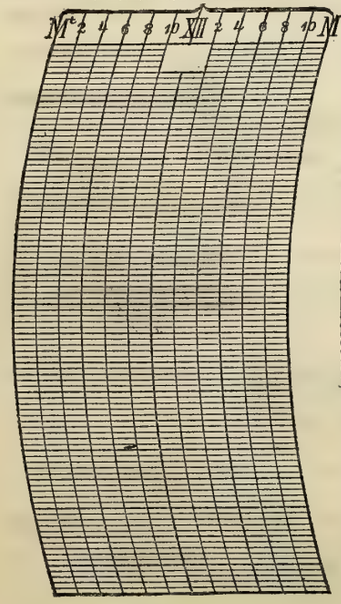
Extreme velocity, 27 – SW – 12.22 P.M.

Relative humidity, 60 a. m. 60 p. m.

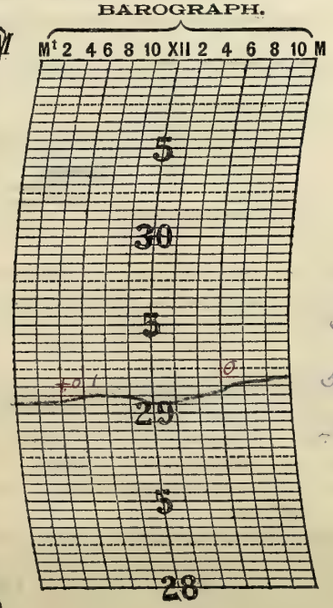
Reduced barometer, 30.05 a. m. 30.08 p. m.

River gage, 5.0 ft.

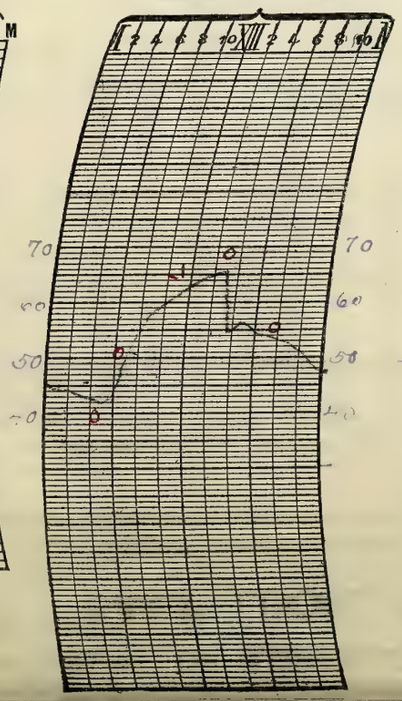
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.F.C.

Verified by P.M.O.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 20 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	47	44 (43)	44	45	48	52	55	56	57	58	58
State of weather: Nature of precipitation and time of beginning and ending												RB 11.15 RE 11.25
Amounts of precipitation												T
Cloudiness and other conditions							Cloudy					
Sunrise: Time, Character	4.18 Cloudy											
Sunshine (in tenths of hours)					0	0.1	0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	S	SE	SE	SE	S	S	S
Wind movement	2	1	1	1	4	4	5	6	7	7	7	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	59	58	57	57	56	56	55	54	53	54	54	52
State of weather: Nature of precipitation and time of beginning and ending	RB 12.55		RE 2.30			RB 5.30			RE 8.30			
Amounts of precipitation	T	T	T			T	T	T	T			
Cloudiness and other conditions			Cloudy									
Sunset: Time, Character									6.56 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	SE	SE	SE	SE	E	E	E	E	E	E	E	E
Wind movement	5	5	4	3	3	7	4	3	6	6	5	7

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
59	43	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0.6

Possible sunshine, hours, 14.6

Percentage of possible sunshine, 1

Prevailing direction SE

Total movement, 110

Average hourly velocity, 4.6

Maximum velocity, 10 Direction, SE Time. Began 8.30 AM

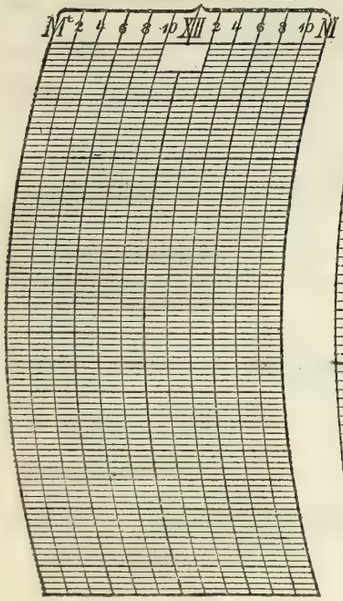
Extreme velocity, 10 – SE – 8.30 AM

Relative humidity, 71 a. m. 65 p. m.

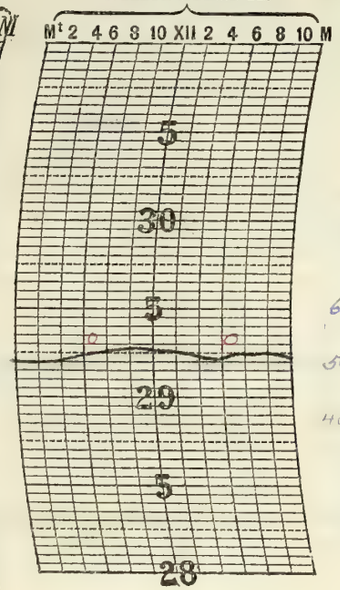
Reduced barometer, 30.18 a. m. [illegible] p. m.

River gage, 4.4 ft.

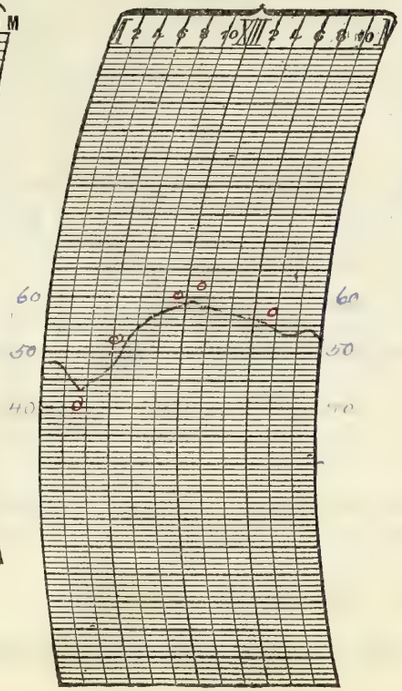
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The streets were wet and slippery during the light rain in the afternoon.

Prepared by [illegible]

Verified by P. McA.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 21 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	47	47	46	50	52	56	58	59	60	61	62	62	64	63	61	59	57	56	54	53	52	54
State of weather: Nature of precipitation and time of beginning and ending																3:30				7:15				
Amounts of precipitation																T	T	T	.01	T				
Cloudiness and other conditions						Cloudy										Cloudy								
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	6	7	7	8	8	10	11	11	12	15	14	14	15	12	14	10	3	9	11	12	11	12	10	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.18; Character, Cloudy

Sunset: Time, 6.57; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 14.6

Percentage of possible sunshine,

Prevailing direction E

Total movement, 160

Average hourly velocity, 10.0

Maximum velocity, 18 Direction, E Time. Began 12.58 PM

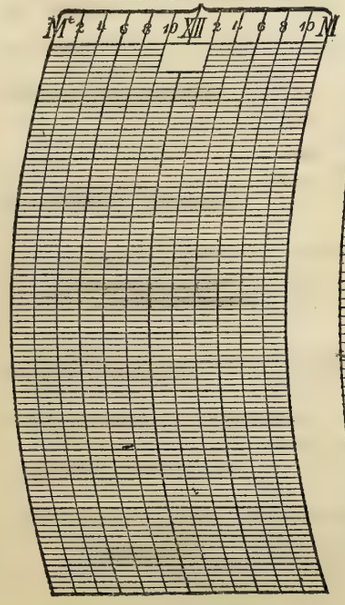
Extreme velocity, 19 E 12.58 PM

Relative humidity, 60 a. m. 73 p. m.

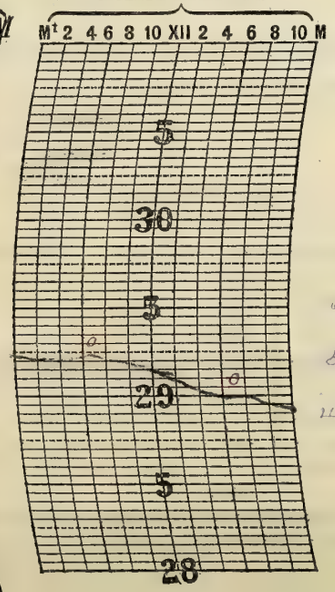
Reduced barometer, 30.15 a. m. 29.91 p. m.

River gage,

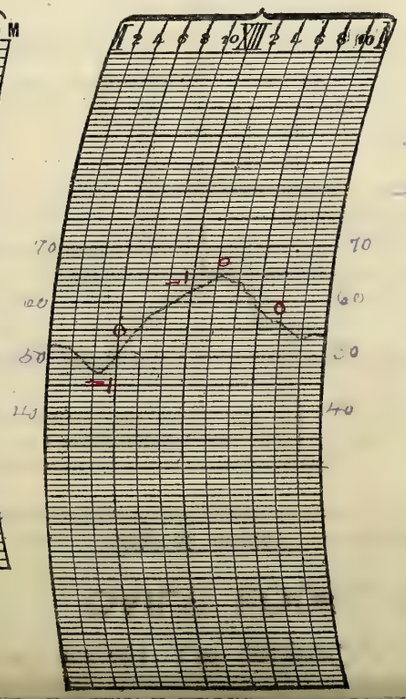
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Streets were wet and slippery during the rain in the late afternoon evening.

Prepared by WTC

Verified by

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	54	55	57	58	59	60	61	63	65	67	70
Nature of precipitation and time of beginning and ending				RB 3.50				RE 7.30		RB 9.20		RE 11.30
Amounts of precipitation				0.3	.28	.01	.03	T		.01	T	T
Cloudiness and other conditions							Cloudy					
Sunrise: Time, 4.17 Character, Cloudy												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.3
Wind direction	NE	NE	NE	E	NE	NE	S	S	S	SE	SE	
Wind movement	8	5	6	4	5	6	10	5	7	5	7	9

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	72	70	72	74	76	74	69	66	67	66	65	65
Nature of precipitation and time of beginning and ending		RB 1.05	RE 2.05			RB 5.55	RE 6.35 RB 6.52				RE DN	
Amounts of precipitation		0.3	T			.03	.2	.03	T	.01	.01	
Cloudiness and other conditions		*	Pt Cldy			Cloudy						
Sunset: Time, 6.58 Character, Cloudy												
Sunshine (in tenths of hours)	0.7	0	0.9	1.0	0.7	0	0					
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	S	W	SW
Wind movement	11	8	6	8	11	9	7	7	6	7	4	3

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	76	53	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .35 ins.; to 7 p. m., .17 ins.

Total precipitation, midnight to midnight, .52 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 3.6

Possible sunshine, hours, 14.7

Percentage of possible sunshine, 24

Prevailing direction SW

Total movement, 161

Average hourly velocity, 6.8

Maximum velocity, 14 Direction, S Time. Began 4.57 PM

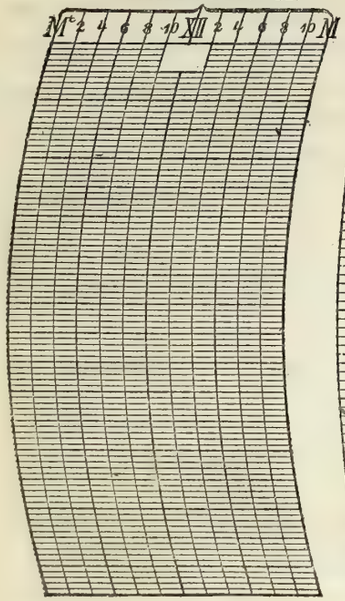
Extreme velocity, 14 – S – 4.57 PM

Relative humidity, 100 a. m., 80 p. m.

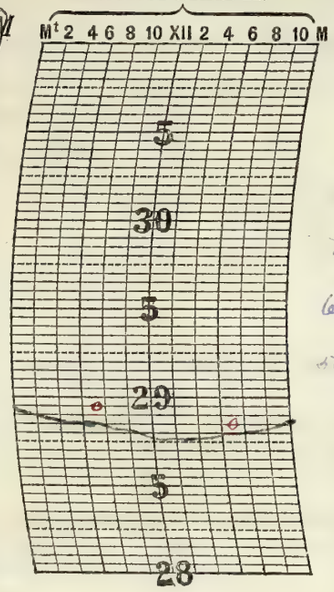
Reduced barometer, 29.77 a. m., 29.70 p. m.

River gage, 5.7 ft.

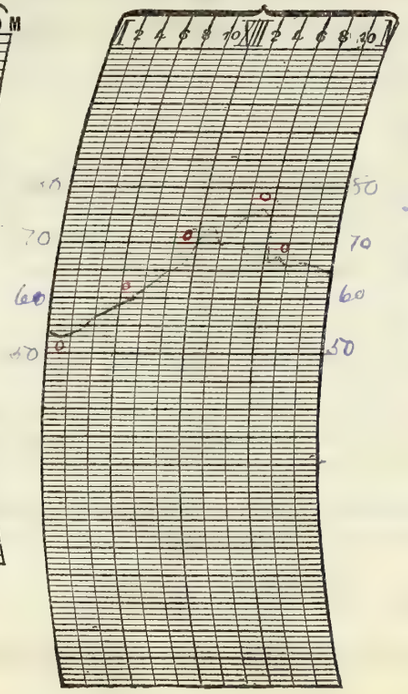
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunder was heard from 4.00 A.M. to 4.30 AM

A moderate thunderstorm passed over the station at 6.05 P.M. and continued at intervals until the late night. Both storms came from the south

Prepared by

Verified by PMD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 23 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	62	60	60	59	59	61	67	69	71	73	75	77	79	80	80	80	80	[illegible]	74	71	67	[illegible]	[illegible]
State of weather: Nature of precipitation and time of beginning and ending				RB DR RE DN																				
Amounts of precipitation				.02																				
Cloudiness and other conditions					Clear								Clear											
Sunrise: Time, 4.16 Character, Clear																					Sunset: Time, 6.59 Character, Cloudy			
Sunshine (in tenths of hours)					0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.7	0.3	0.5				
Wind direction	SW	SW	SW	W	W	W	W	NW	NW	NW	W	W	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	4	3	3	3	1	1	4	5	5	5	5	4	6	6	7	8	8	5	4	4	3	2	2	0
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
80	43	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.9 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Clear Moon phase, [illegible]

Average daily cloudiness (0-10), [illegible]

Actual sunshine, hours, 14.0

Possible sunshine, hours, 14.7

Percentage of possible sunshine, 95

Prevailing direction [illegible]

Total movement, 16

Average hourly velocity, [illegible]

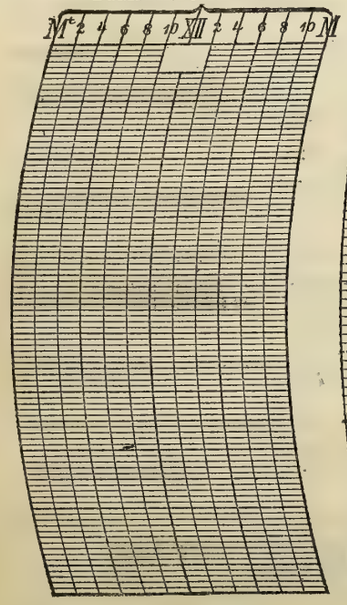
Maximum velocity,	Direction,	Time.
10	NW	Began 3.30 p. m.
Extreme velocity, 10	NW	3.35 p. m.

Relative humidity, 89 a. m., 57 p. m.

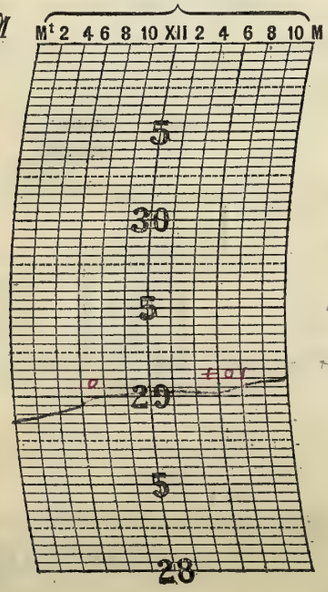
Reduced barometer, 29.91 a. m., 29.96 p. m.

River gage, [illegible]

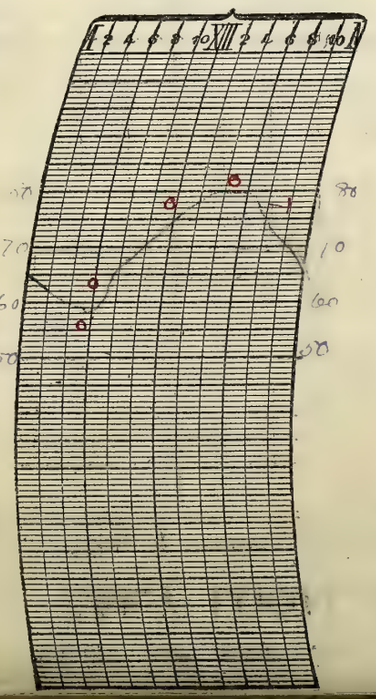
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Few St. Cu. clouds prevailed during the afternoon until 6 p. m.

Prepared by H.F.C.

Verified by [illegible]

Form No. 1014—Met I.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 24 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	62	62	62	61	60	60	71	75	78	80	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Cloudy				Pt. Cldy				
Sunrise: Time, 4.15 Character, Cloudy												
Sunshine (in tenths of hours)					0	0	0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	O	NE	E	E	O	E	O	SW	SW	SW	SW	SW
Wind movement	0	1	2	1	0	1	0	14	6	1	0	11
Maximum velocities (exceeding 25 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	81	82	81	80	81	80	77	75	73	[illegible]	70	[illegible]
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy				Pt. Cldy					
Sunset: Time, 7.00 Character, Cloudy												
Sunshine (in tenths of hours)	1.0	0.6	0.5	0.2	1.0	0.5	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW					
Wind movement	12	7	12	10	8	4	5	7	4	4	7	4
Maximum velocities (exceeding 25 miles) direction and time												

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
82	60	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase Last Quarter 11.16 A.

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 7.0

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 61

Prevailing direction SW

Total movement, 130

Average hourly velocity, 5.4

Maximum velocity, 16 Direction, SW Time. Began 12.40 P.M.

Extreme velocity, 16 – SW – 12.40 P.M.

Relative humidity, 50 a. m. 54 p. m.

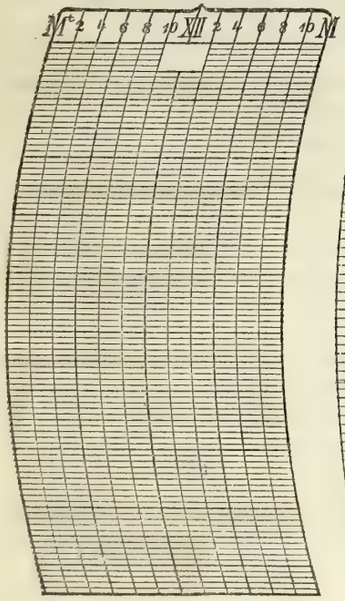
Reduced barometer, 30.08 a. m. 30.04 p. m.

River gage, 3.7 ft.

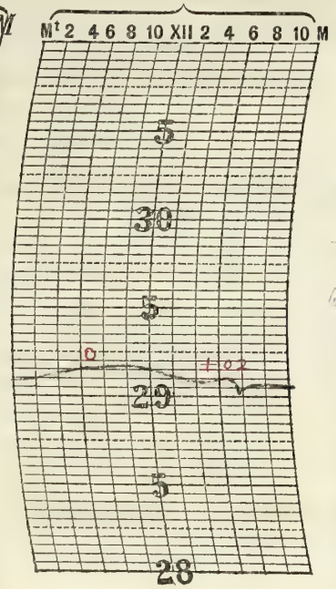
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

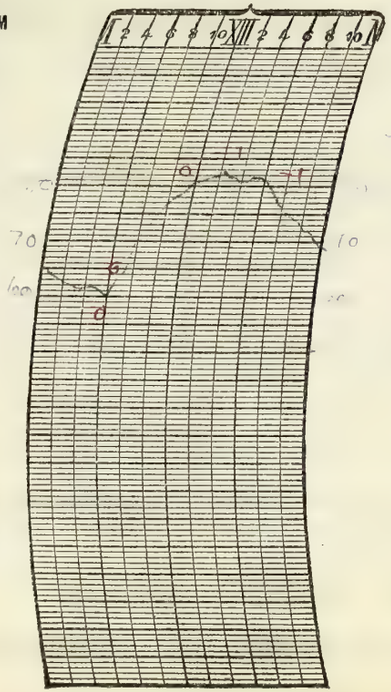
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. st. clouds prevailed from [illegible] until 1 [illegible]

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Thursday, (Date) MAY 25 1916 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	68	67	67	67	67	70	70	74	77	81	83	84	87	85	88	84	76	72	72	70	78	71	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Cloudy		×		Clear						Clear				×					
Sunshine (in tenths of hours)	Sunrise: Time, 4.15 Character, Cloudy				0	0	0	0	0	9	10	10	10	10	10	10	10	0.6	0.4	1.0	0	0.2	Sunset: Time, 7.01 Character, Clear	
Wind direction	S	S	S	S	SW	NE	SW	W	SW	W	SW	W	W	W	SW	SW	SW	SW	W	W	W	SW	NE	W
Wind movement	7	8	8	8	11	5	4	5	7	12	12	11	12	11	13	11	11	9	4	2	2	2	8	6
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
88	61	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 1 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10)

Actual sunshine, hours, 10.9

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 74

Prevailing direction SW

Total movement, 189

Average hourly velocity, 7.9

Maximum velocity, 15 Direction, W Time. Began 2.04 PM

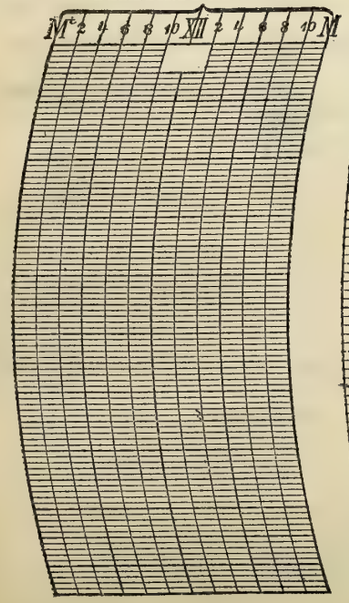
Extreme velocity, 15 W 2.04

Relative humidity, 79 a. m. 62 p. m.

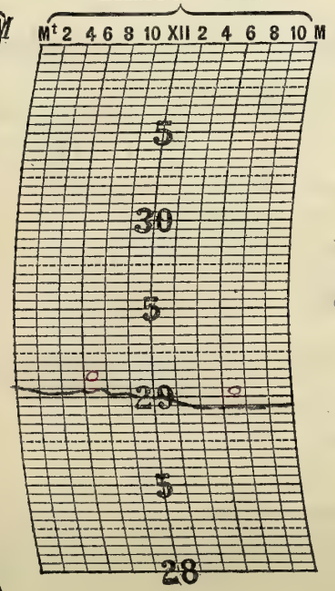
Reduced barometer, 29.94 a. m. 29.84 p. m.

River gage, 0.77

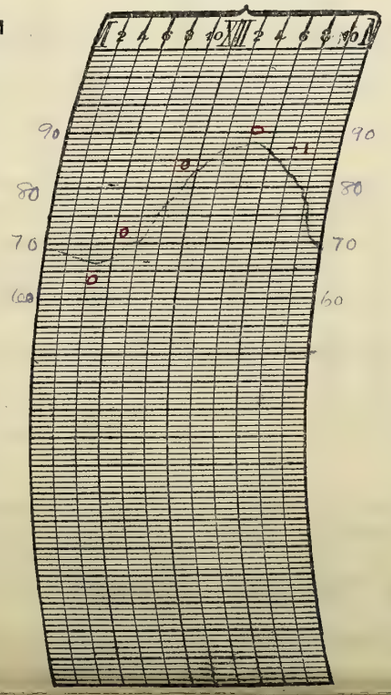
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.H.C.

Verified by F.M.S.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Friday, (Date) MAY 26 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	65	62	64	63	64	69	74	78	81	84	87	87	87	87	88	88	87	83	82	80	78	77	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←				Clear				→			Pt		Cloudy							
Sunshine (in tenths of hours)		✓			0	0	0.7	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	1.0	1.0	0.3	0	0		✓		
Wind direction	NE	NE	E	E	E	E	E	S	SW	SW	SW	SW	SW	SW	W	SW	SW	S	S	S	SW	SW	S	S
Wind movement	5	7	4	4	5	4	2	5	7	1	10	4	10	12	9	11	8	6	7	8	8	7	8	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.14 Character, Clear

Sunset: Time, 7.02 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
88	63	76	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, [illegible] Moon phase, [illegible]

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 12.3

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 83

Prevailing direction SW.

Total movement, [illegible]

Average hourly velocity, 7.2

Maximum velocity, 14 Direction, SW Time. Began [illegible]

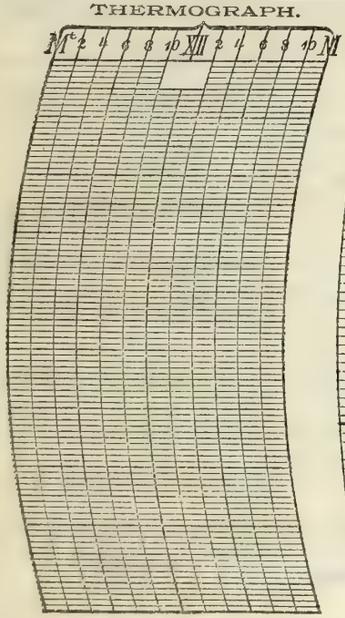
Extreme velocity, 15 SW [illegible]

Relative humidity, 78 a. m. 56 p. m.

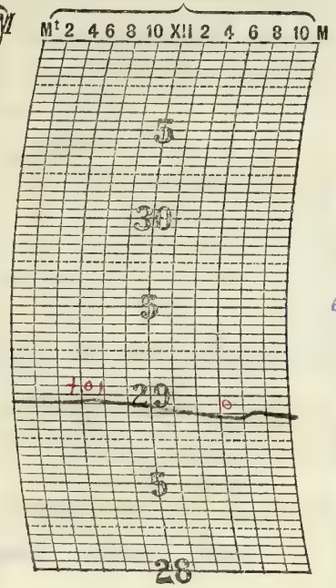
Reduced barometer, 29.88 a. m. 29.78 p. m.

River gage, 3.7 ft.

THERMOGRAPH.



BAROGRAPH.



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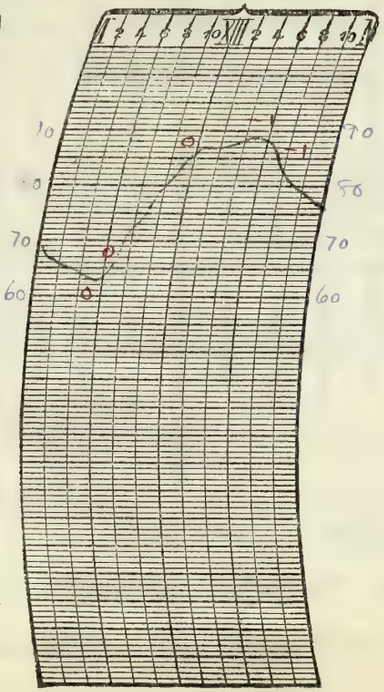


NOTES.

Ci clouds prevailed in the forenoon and St. Cu. Clouds during the afternoon.

Prepared by [illegible]

Verified by [illegible]

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 27 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	65	70	71	74	74	6[illegible]	68	67	72	73	7[illegible]
State of weather: Nature of precipitation and time of beginning and ending						RB DR RE DR	RB 6.15		RE 8.35			
Amounts of precipitation						T	.01	.01	.02			
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, 4.13 Character, Cloudy												
Sunshine (in tenths of hours)		1			0	0	0	0	0	0.4	0.3	0.8
Wind direction	SW		SW	SW	SW	W	W	W	W			
Wind movement	7	8	9	11	5	11	10	14		6	4	3
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	80	80	78	76	74	72	70	68	67	66	6[illegible]
State of weather: Nature of precipitation and time of beginning and ending			RB 2.05 RE 2.40			RB 5.00		RE 7.15				
Amounts of precipitation			T			T	.01	T				
Cloudiness and other conditions	← Steady →						Cloudy					→
Sunset: Time, 7.03 Character, Cloudy												
Sunshine (in tenths of hours)	0.1	1.0	0.5	0.4	0	0	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW		SW	SW	SW	SW
Wind movement	7	7	9	13	13	8	14	6	9	7	8	9
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	80			

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .05 ins.; to 7 p. m., .16 ins.

Total precipitation, midnight to midnight, .15 inches.

Character of day, Cloudy, Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 3.5

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 24

Prevailing direction SW

Total movement, 205

Average hourly velocity, 8.4

Maximum velocity,	Direction,	Time.
29	W	Began 6.02 A.M.

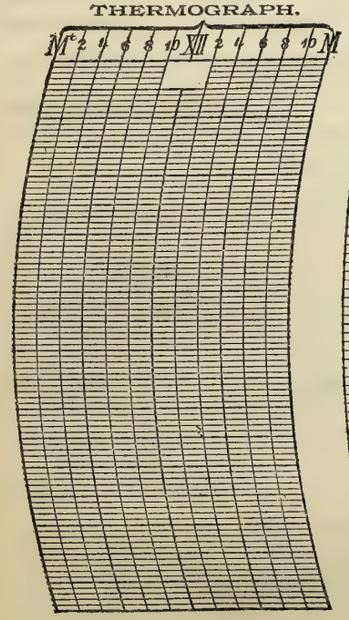
Extreme velocity, 29-W 6.02 A.M.

Relative humidity, 100 a. m., 89 p. m.

Reduced barometer, 29.90 a. m., 29.57 p. m.

River gage, 3.14 ft.

THERMOGRAPH.



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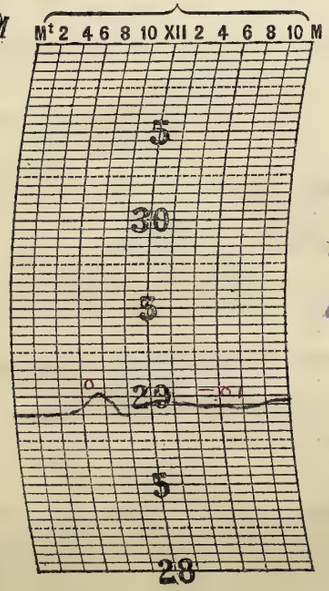
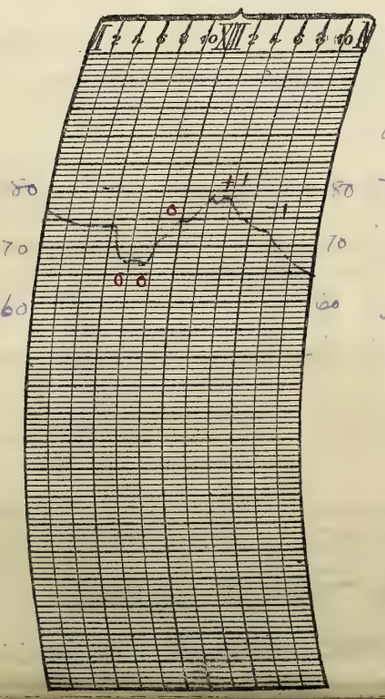


THERMOGRAPH.



NOTES.

A moderate thunderstorm passed over the station during the morning. The storm moved from the west. The storm was more severe south of the station.

Prepared by HTC.

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) MAY 28 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	64	64	64	64	66	67	70	72	73	74	75	75	75	77	72	74	76	75	71	70	70	69	68
State of weather: Nature of precipitation and time of beginning and ending						RB DN RE DN											RB 40S RE 1.20							
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy						Cloudy					Cldy	Clear					
Sunshine (in tenths of hours)					0	0	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.6	0.1	0	0	0.5	1.0	0.5				
Wind direction	SW	SW	SW	SW	W	SW	SW	NW	W	W	SW	SW	W	W	W	W	SW	W	N	N	NE	E	SE	SE
Wind movement	10		6	5	6	7	4	7				6		4	4		6		1		2			
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.13 Character, Cloudy

Sunset: Time, 7.03 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
77	64	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., M ins.; to 7 p. m., M ins.

Total precipitation, midnight to midnight, inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8.5

Actual sunshine, hours, 5.6

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 38

Prevailing direction SW

Total movement, 150

Average hourly velocity, 5.0

Maximum velocity, 11 Direction, SW Time. Began 10-54 AM

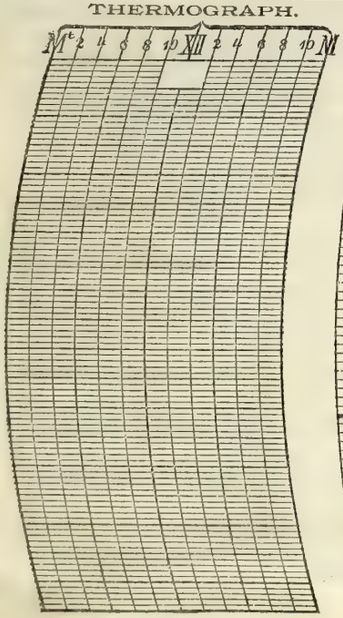
Extreme velocity, 11 - SW - 10-54 AM

Relative humidity, 89 a. m., 59 p. m.

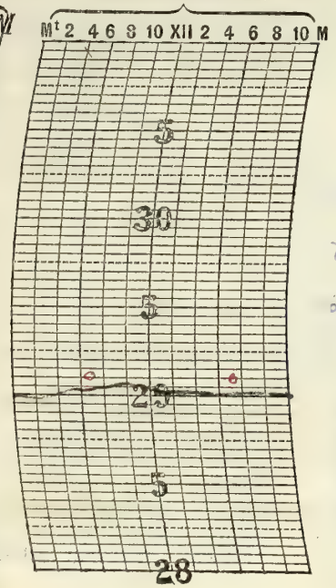
Reduced barometer, 29.94 a. m., 29.92 p. m.

River gage, 3.6 ft

THERMOGRAPH.



BAROGRAPH.



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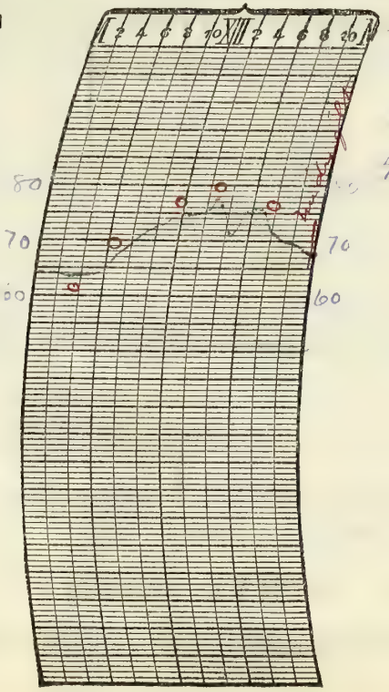


NOTES.

Ci. St. clouds prevailed during most of the forenoon and from 12.30 P.M. to 4.00 P.M. St. Cu. clouds were [illegible]

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) MAY 29 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	65		64	64	66	66	68	70		68	66
State of weather: Nature of precipitation and time of beginning and ending								RB 7.02 RE 7.03			RB 10.15	
Amounts of precipitation								T			T	.01
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 4.12 Character, Cloudy												
Sunshine (in tenths of hours)		1			0	0	0	0	0.9	0.6	0	0
Wind direction	S	SE	SE	SE	SE	SE	S	S	S	S	SW	SW
Wind movement	1	3	4	2		4	6	6	12	11	16	15
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	68	66	67	67	68	69	68	64	63	62	61
State of weather: Nature of precipitation and time of beginning and ending	RE 1.00		RB 2.30	RE 3.20	RB 4.50	RE 5.50		RB 7.55 RE 8.00				
Amounts of precipitation	.01		.12	T	T	.03		T				
Cloudiness and other conditions	Clear											
Sunset: Time, 7.04 Character, Cloudy												
Sunshine (in tenths of hours)	0.2	0.4	0	0	0	0	0	0				
Wind direction	S	S	S	S	S	S	SW	SW	SW	W	W	W
Wind movement	16	12	10	7	4	4	11	14	15	3	2	1
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
70	61	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .17 ins.

Total precipitation, midnight to midnight, .17 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10)

Actual sunshine, hours,

Possible sunshine, hours, 14.9

Percentage of possible sunshine,

Prevailing direction

Total movement,

Average hourly velocity,

Maximum velocity, 20 Direction, SW Time. Began 12.45 PM

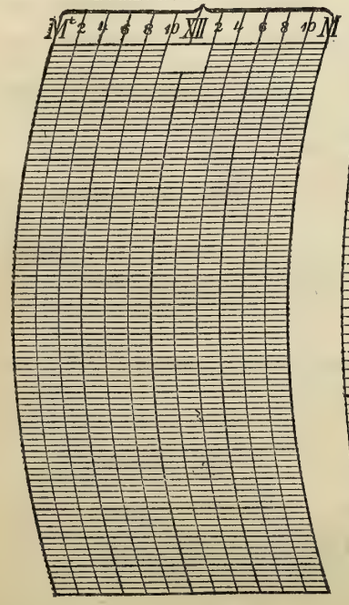
Extreme velocity, 20-SW-12.45 PM

Relative humidity, 90 a. m., 85 p. m.

Reduced barometer, 29.85 a. m., 29.62 p. m.

River gage,

THERMOGRAPH.



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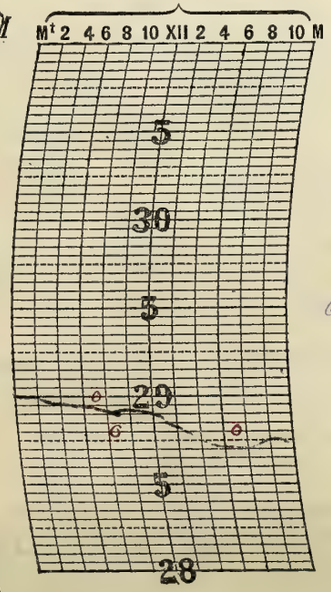

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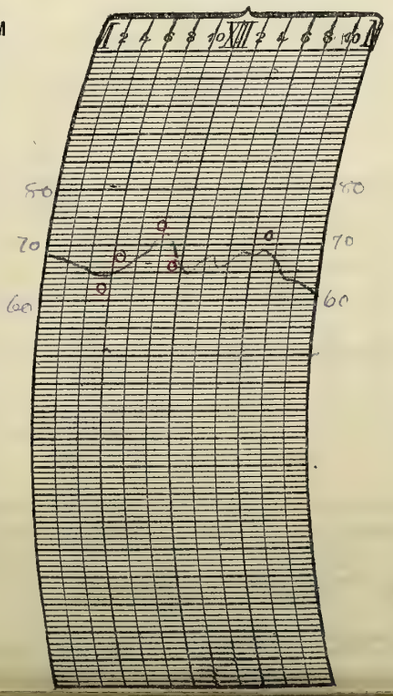


NOTES.

Prepared by

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) MAY 30 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	60	59	57	58	59	54	62	65	67	69	70	71	72	73	71	71	69	68	63	60	58	56	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				×	Clear	×	Pt Cldy	×	Clear					×	Pt	Cloudy	×		Clear					
Sunshine (in tenths of hours)	Sunrise: Time, 4.12 Character, Clear				.80	0.7							1.0	1.0	1.0	0.9	1.0	0.6 / 0.4	1.0 / 0	.08 / 0	Sunset: Time, 7.05 Character, Clear			
Wind direction	W	W	NW	NW	NW	NW	N	N	N	N	N	N	NW	N	N	N	N	N	NW	NW	NW	N	N	N
Wind movement	8	7	7	10	14	13	11	10	9	9	10	12	14	14	13	13	12	11	7	12	9	5	5	3
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	55	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10)

Actual sunshine, hours, 13.4

Possible sunshine, hours, 14.9

Percentage of possible sunshine, 90

Prevailing direction N

Total movement, 240

Average hourly velocity, 10.0

Maximum velocity, 16 Direction, NW Time. Began 12:42

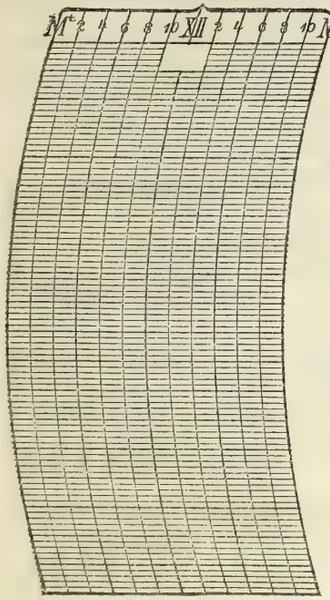
Extreme velocity, 16 NW 2:00 PM

Relative humidity, 89 a. m. 59 p. m.

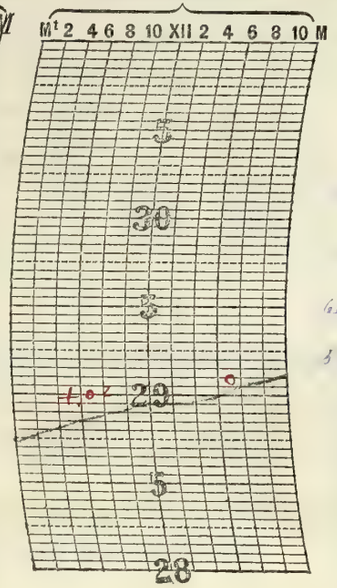
Reduced barometer, 29.73 a. m. 29.92 p. m.

River gage,

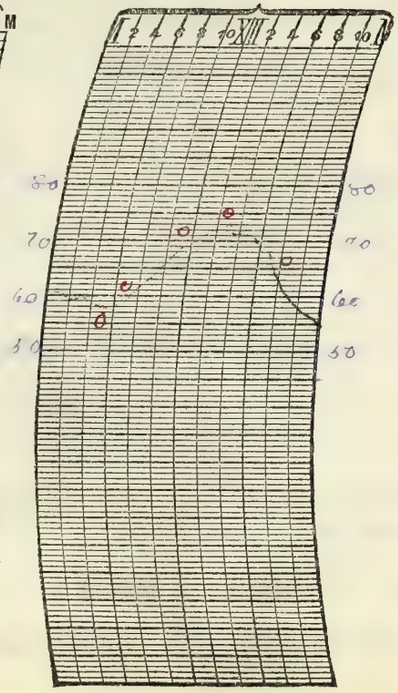
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ideal weather prevailed during the day.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) MAY 31 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	52	51	50	53	55	58	60	62	63	66	66	67	68	68	68	66	64	61	59	58	56	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear					Partly Cloudy				
Sunshine (in tenths of hours)	Sunrise: Time, 4.11 Character, Clear				.82 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0	0	Sunset: Time, 7.06 Character, Cloudy			
Wind direction	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E
Wind movement	6	6	5	5	7	8	9	8	9	9	9	6	8	6	6	6	6	5	7	9	7	5	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
63	50	57	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, New Moon 1.37 P.

Average daily cloudiness (0-10)

Actual sunshine, hours, 2.11

Possible sunshine, hours, 14.9

Percentage of possible sunshine,

Prevailing direction

Total movement, 165

Average hourly velocity, 6.8

Maximum velocity,	Direction,	Time.
13	NE	Began 9.30 A.M.

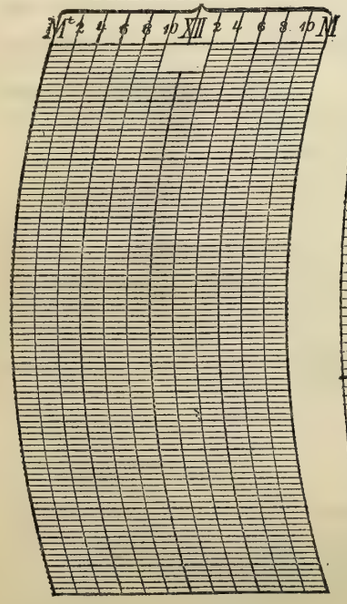
Extreme velocity, 13-NE-9.30 A.M.

Relative humidity, 77 a. m. 58 p. m.

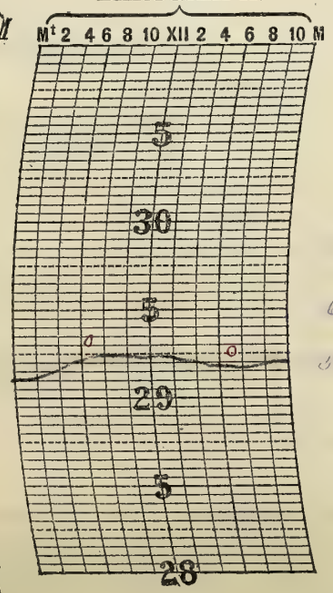
Reduced barometer, 30.15 a. m. 30.10 p. m.

River gage, 3.4 ft.

THERMOGRAPH.



BAROGRAPH.



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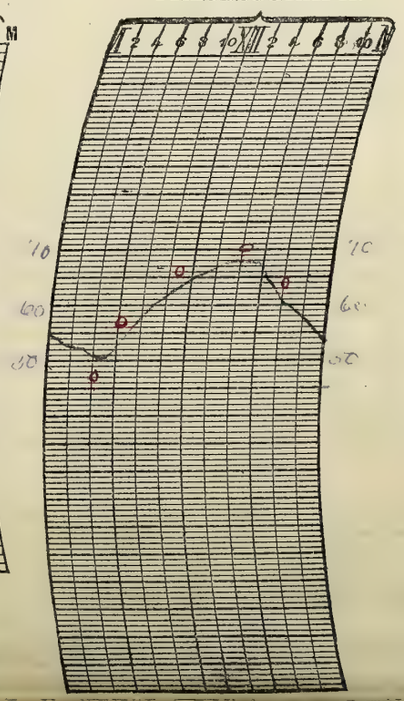


NOTES.

Prepared by J.H.C.
Verified by D.M.C.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 1 1916, 191 6

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	51	44	49	49	53	56	59	64	65	67	70	71	72	73	74	75	74	72	69	68	67	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy								Pt Cloudy				Clear					
Sunshine (in tenths of hours)					0	0	0	0	0.9	0.9	0.9	0.8	0.2	1.0	0.5	1.0	1.0	0.3	0	0				
Wind direction	E	E	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	4	6	8	6	4	3	6	9	11	[illegible]	1	1	9	10	10	13	11	10	6	7	3	7	1	11
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.11 Character, Cloudy

Sunset: Time, 7.07 Character, Clear

0.7 1.0 .12

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

---' hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
75	49	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 9.3

Possible sunshine, hours, 14.9

Percentage of possible sunshine, 62

Prevailing direction SE

Total movement, 204

Average hourly velocity, 34

Maximum velocity,	Direction,	Time.
16	SE	Began 9.42 AM

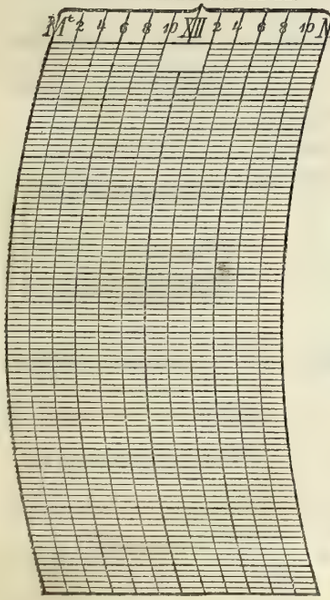
Extreme velocity, 17 SE 9.43 AM

Relative humidity, 74 a. m., 62 p. m.

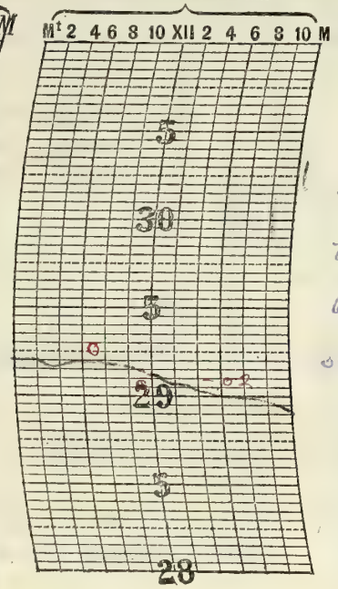
Reduced barometer, 30.10 a. m., 29.90 p. m.

River gage, 3.2 ft.

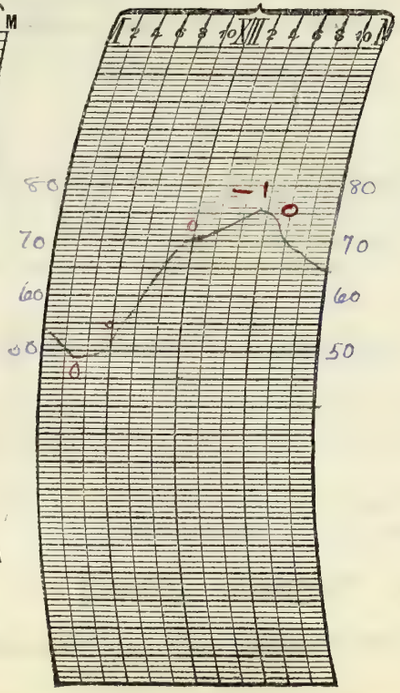
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J. H. S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 2 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	67	67	68	67	68	71	74	76	78	79	80
State of weather. Nature of precipitation and time of beginning and ending			RB DR RE DR		RB DR RE DR							
Amounts of precipitation			0.2		0.3							
Cloudiness and other conditions												
Sunrise: Time, Character,	4.10 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0.5	0.2	0.4	0.7	0.9
Wind direction	SE	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	10	15	11	12	12	14	18	20	21	24	25	26
Maximum velocities (exceeding 29 miles) direction and time											31 SW 10.33	37 SW 11.16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	79	78	78	77	76	75	67	66	64	62	60
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt Cldy					Cl						
Sunset: Time, Character,									7.07 Clear			
Sunshine (in tenths of hours)	0.9	1.0	1.0	1.0	1.0	0.7	1.0	1.2				
Wind direction	SW	SW	W	W	W	W	W	W	NW	W	W	W
Wind movement	18	21	20	19	15	11	9	12	10	7	6	8
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
81	60	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.5 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0.5 inches.

Character of day, St. Cloudy Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 9.2

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 61

Prevailing direction W

Total movement, 36

Average hourly velocity, 1.5.0

Maximum velocity, 37 Direction, SW Time. Began 11.16 AM

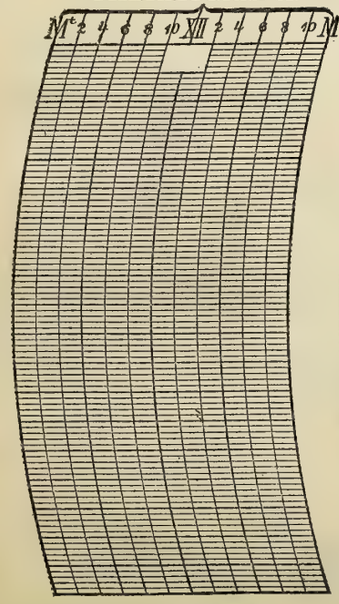
Extreme velocity, 38 SW 11.16 AM

Relative humidity, 77 a. m. 67 p. m.

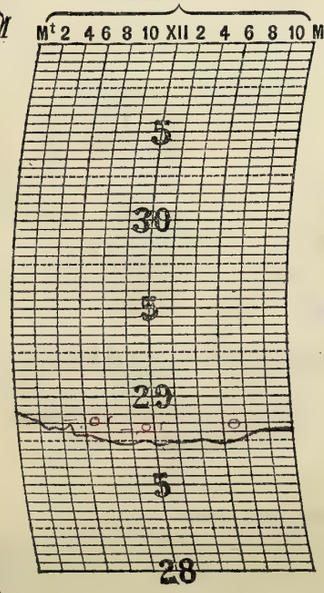
Reduced barometer, 29.65 a. m. 29.64 p. m.

River gage, 5.1 ft.

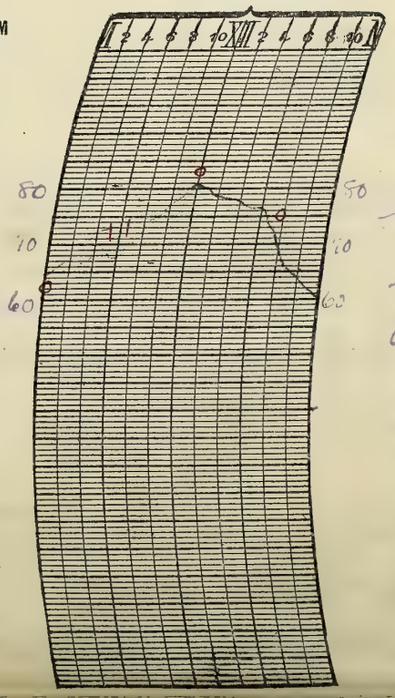
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunder was heard from 4.15 AM to 5.0 AM

High, misty winds prevailed during the day.

St. Cu. clouds prevailed during the day after 8.00 A.M.

Prepared by J.H.C.

Verified by J. Mot.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 3 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	49	59	58	56	55	53	54	55	58	60	62	65
State of weather: Nature of precipitation and time of beginning and ending					RB DN		HF 6.05					
Amounts of precipitation					.02	T	.01					
Cloudiness and other conditions	← Pt Cloudy										Clear	
Sunshine (in tenths of hours)					0	0	0.3	0.1	0.7	1.0	1.0	1.0
Wind direction	W	NW	NW	NW	N	NW	NW	NW	NW	NW	NW	W
Wind movement	7	6	9	8	6	7	7	8	8	10	12	11

Sunrise: Time, 4.10; Character, Cloudy

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	68	69	69	71	70	68	66	64	63	62	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0.7	0.7	1.0	1.3				
Wind direction	W	W	NW	W	W	W	W	W	W	W	W	W
Wind movement	12	13	13	11	8	8	4	3	4	3	1	2

Sunset: Time, 7.08; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
71	53	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .03 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 11.2

Possible sunshine, hours, 15.6

Percentage of possible sunshine, 75

Prevailing direction

Total movement, 181

Average hourly velocity, 7.5

Maximum velocity, 17 Direction, W Time. Began 11.18

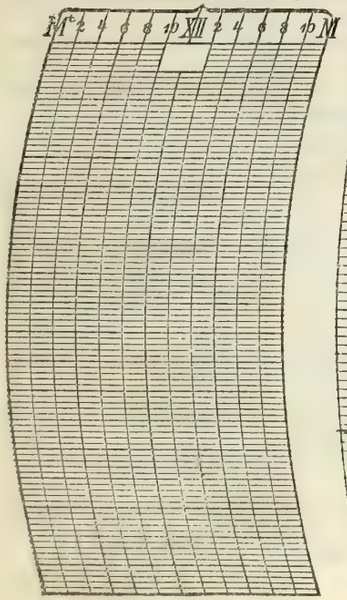
Extreme velocity, 17 W 11.18

Relative humidity, 92 a. m. 49 p. m.

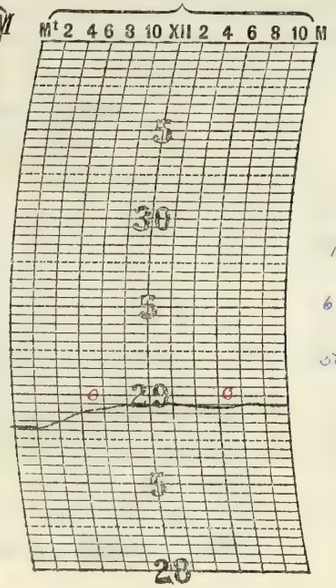
Reduced barometer, 29.81 a. m. 29.84 p. m.

River gage, 3.1 ft.

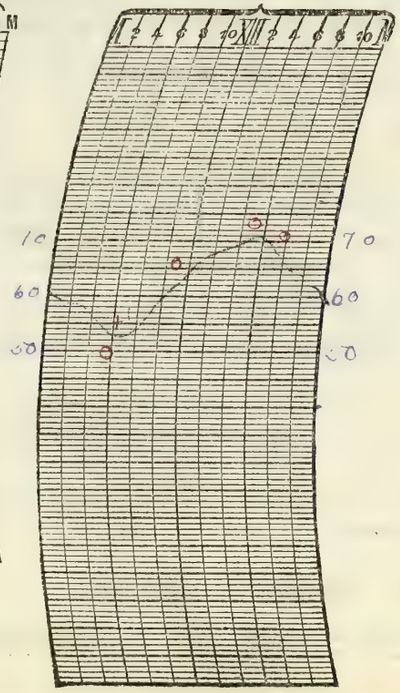
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. Clouds prevailed during the la. flur.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 4 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	57	55	54	55	52	55	57	61	64	68	70	72	73	74	68	70	62	70	70	68	67	64	62	57
State of weather: Nature of precipitation and time of beginning and ending														4.15 1.10 TR 1.15		4.05 5.05		4.05 4.15 4.25 4.35 4.45 4.55 5.05 5.15 5.25						
Amounts of precipitation														.71		.02		.42						
Cloudiness and other conditions					← Cloudy × P.C. Clear								× P.C. × Clear				× Cldy × Rain							

	Sunrise: Time,	Character,																			Sunset: Time,	Character,		
	4.10	Cloudy																			7.09	Clear		
Sunshine (in tenths of hours)					0	0	0	0.1	0	0.7	1.0	1.0	0.8	0.7	0.7	0.4	0.6	0.3	0.7	1.0	1.5			
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	W	W	W	NW	NW	W	W	W
Wind movement	6	7	6	7	7	8	4	9	12	14	19	17	19	16	18	14	11	4	8	7	4	5	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
74	52	63.1	

Total depth of snow for 24 hours ending 1 p. m., 0 inches.

Snow on ground 1 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .44 ins.

Total precipitation, midnight to midnight, .44 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0–10) _____

Actual sunshine, hours, 8.2

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 54

Prevailing direction SW

Total movement, 244

Average hourly velocity, 10.2

Maximum velocity, 28 Direction, SW Time. Began 2.18 PM

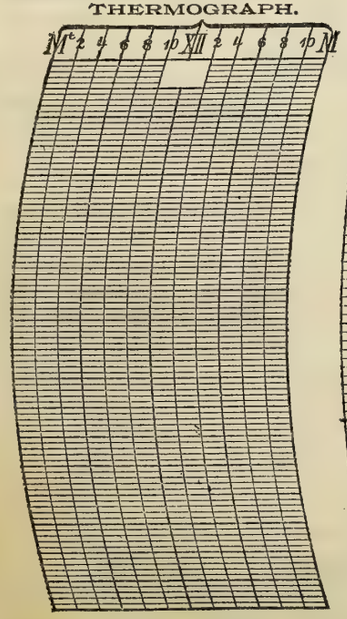
Extreme velocity, 29 – SW – 2.18 PM

Relative humidity, 82 a. m. 66 p. m.

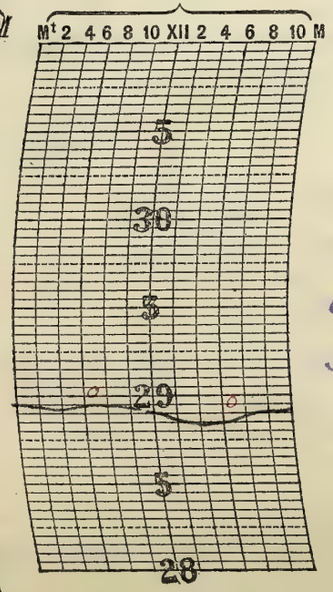
Reduced barometer, 29.83 a. m. 29.[illegible] p. m.

River gage, 3.3 ft

THERMOGRAPH.



BAROGRAPH.



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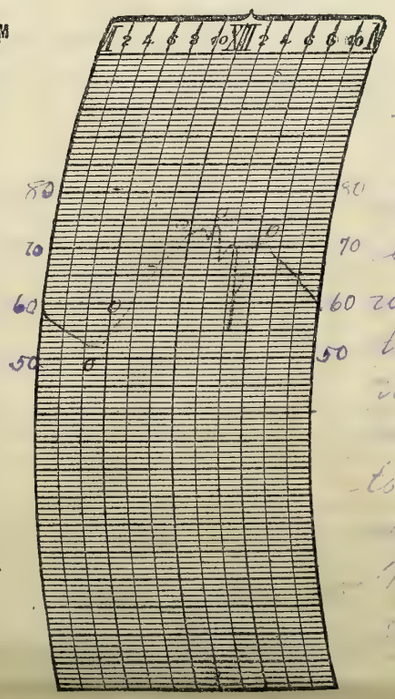


NOTES.

A moderate thunderstorm passed over the station during the late afternoon. The first thunder was heard at 3.50 P.M. and the last was heard at 4.25 P.M. The storm came from the west. The thunderstorm was accompanied by heavy rain & hail over the central, northern and northeastern sections of the city, since the rainfall west of the station, and according to reliable reports it was the heaviest for many years.

Many of the hailstones measured, more in diameter.

Prepared by J.H.C.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 5 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	56	55	54	54	56	60	63	66	67	69	70	71	73	72	72	71	70	68	65	63	61	60	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear					Pt Cloudy							Pt Cloudy			Clear				
Sunshine (in tenths of hours)					.85 0	0.6 0.4	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.7	0.2 0.8	1.0 0	1.0 0	1.5 0				
Wind direction	W	W	W	W	W	W	W	NW	NW	NW	W	W	NW	NW	N	N	NE	NE	NE	NE	E	E	E	E
Wind movement	5	5	5	4	3	3	3	5	4	5	7	8	7	6	7	5	7	6	5	6	6	8	7	8

Sunrise: Time, 4.09 Character, Clear

Sunset: Time, 7.09 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

---------- hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	54	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Partly Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 14.6

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 97

Prevailing direction NE

Total movement, 235

Average hourly velocity, 5.6

Maximum velocity, 10 Direction, NE Time. Began 11.49 PM

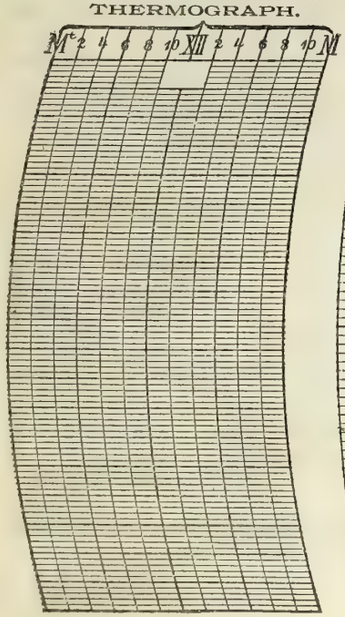
Extreme velocity, 10 NE - 11.49 PM

Relative humidity, 79 a. m. 62 p. m.

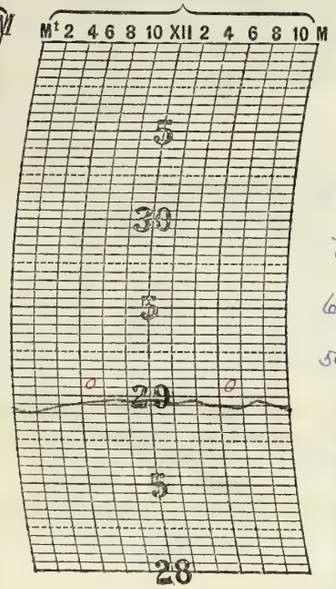
Reduced barometer, 29.88 a. m. 29.85 p. m.

River gage, 3.3 ft.

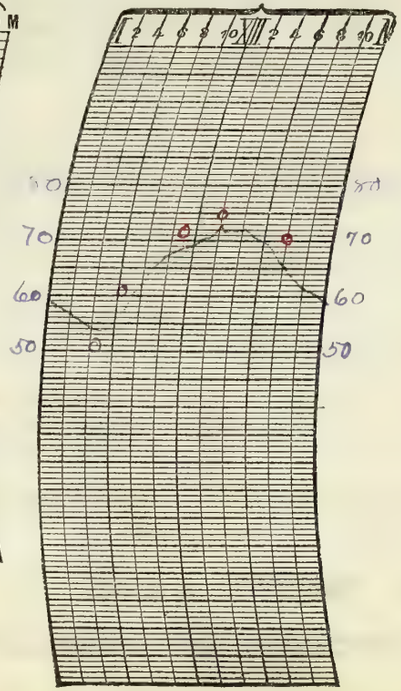
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Tuesday, (Date) JUN 6 1916 191

Time (local standard), 90 mer.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	57	56	56	56	56	57	58	57	56	56	55	57	58	58	58	58	58	57	57	57	56	[illegible]
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation										.02	.03	.03	.10	.03	.04	.11	.04	.18	.13	.14	.21	.21	.12	[illegible]
Cloudiness and other conditions							Cloudy																	
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Wind direction	NE	E	E	E	E	E	E	E	E	E	E	E	E	NE	NE	NE	NE	NE	NE	E	NE	NE	E	E
Wind movement	12	13	14	12	13	13	16	17	18	18	17	[illegible]	20	20	21	20	21	17	15	16	15	16	13	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.09; Character, Cloudy

Sunset: Time, 7.10; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
61	35	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., [illegible] ins.

Total precipitation, midnight to midnight, 1.26 inches.

Character of day, Cloudy Moon phase, ✓

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 0

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 0

Prevailing direction E

Total movement, 570

Average hourly velocity, 16.2

Maximum velocity, 26 Direction, E Time. Began 1.10 PM

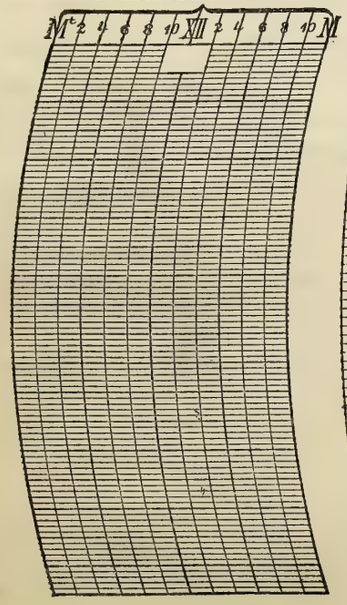
Extreme velocity, 26 E 1.10 PM

Relative humidity, 79 a. m. 100 p. m.

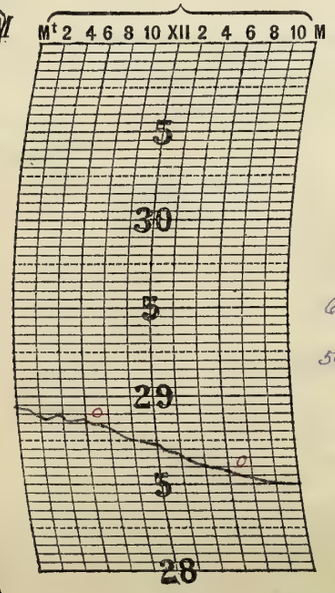
Reduced barometer, 29.72 a. m. 29.47 p. m.

River gage, 3.24

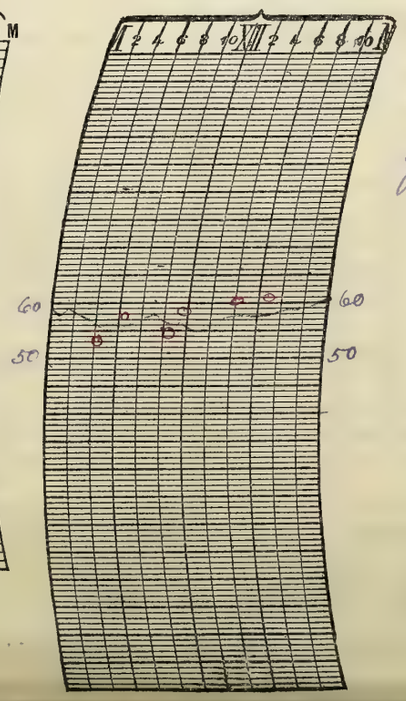
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The rain which began at 9.05 A.M. continued quite steady during the rest of the day.

Prepared by JWTC

Verified by MMcD

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Wednesday, (Date) JUN 7 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	60	60	60	59	57	56	53 / 54	55	54	55	57
Nature of precipitation and time of beginning and ending								RE 7.15				
Amounts of precipitation	.13	.04	.14	.05	.03	.02	.01	T				
Cloudiness and other conditions								Cloudy				
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.2
Wind direction	SE	SE	SE	SE	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	7	8	11	13	17	20	25	23	24	24	26
Maximum velocities (exceeding 29 miles) direction and time								30 SW 7.25			32 SW 10.14	30 SW 6.00

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	58	60	62	61	59	58	56	55	54	53	55
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)	0	0	0.5	0.7	0.2	0.1	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	24	26	22	19	31	22	14	12	14	15	14	15
Maximum velocities (exceeding 29 miles) direction and time	30 SW 5.10	31 SW 2.00	30 SW 2.52		31 SW 3.57							

Sunrise: Time, 4.09; Character, Cloudy

Sunset: Time, 7.10; Character, Cloudy

Maximum.	Minimum.	Mean.	Normal.
62	52	57	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .16 ins.; to 7 p. m., .71 ins.

Total precipitation, midnight to midnight, 1.42 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 9

Actual sunshine, hours, 1.5

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 10

Prevailing direction SW.

Total movement, 420

Average hourly velocity, 17.5

Maximum velocity, 32 Direction, SW Time. Began 10.14 A.

Extreme velocity, 32 SW 10.14 A.

Relative humidity, 97 a. m., 75 p. m.

Reduced barometer, [illegible] a. m., [illegible] p. m.

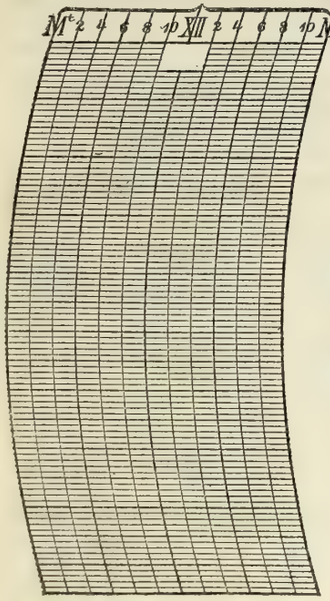
River gage, 4.0 ft.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

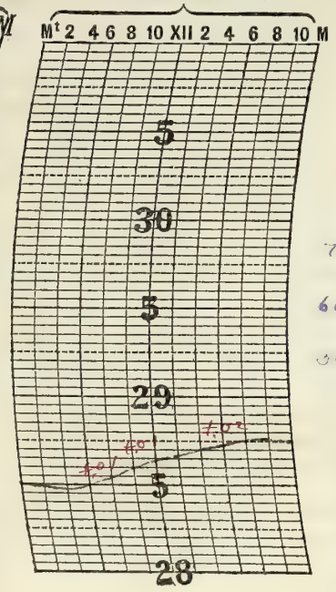
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

THERMOGRAPH.



BAROGRAPH.



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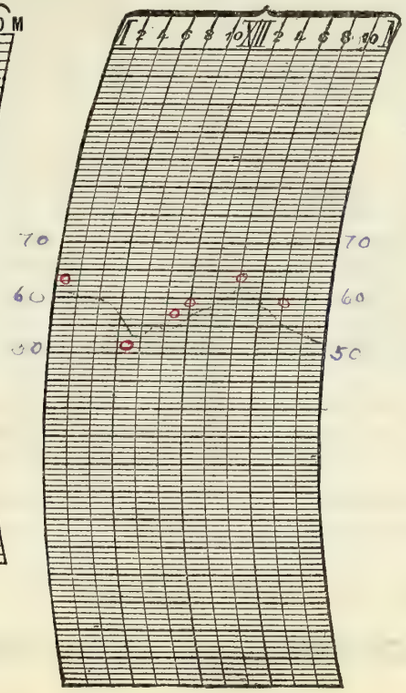


NOTES.

High, steady winds prevailed during the day.

Prepared by [illegible]

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 8 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	53	53	53	54	56	59	59	[illegible]	61	62
State of weather: Nature of precipitation and time of beginning and ending						RB DN RE DN		RB 7.05 RE 7.10				
Amounts of precipitation						T		T				
Cloudiness and other conditions							10	Cloudy				
Sunrise: Time, Character,	4.09 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0.2	0.2	0.2	0	0
Wind direction	S	S	S	SW	S	S	S	S	S	S	S	S
Wind movement	13	12	13	12	13	11	13	16	21	19	22	19
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	64	65	58	51	51	57	56	56	55	55	54
State of weather: Nature of precipitation and time of beginning and ending	RB 2.05 RE 2.10	RB 1.55 RE 2.00		RB 3.02 RE 3.20	RB 4.00			RE 7.10			MI DN	
Amounts of precipitation	T	T		0.1	T	T	0.1	T			0.6	0.1
Cloudiness and other conditions				10	10	10	10					
Sunset: Time, Character,									7.11 Cloudy			
Sunshine (in tenths of hours)	0.3	0.1	0	0	0	0	0	0				
Wind direction	S	SW	SW	SW	SW	S	SW	SE	S	S	S	S
Wind movement	14	14	14	15	14	9	10	11	13	12	14	12
Maximum velocities (exceeding 29 miles) direction and time				31 SW 4.01								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
64	42	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., [illegible] ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 12 inches.

Character of day, Cloudy Moon phase, First Quarter

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 1.0

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 7

Prevailing direction S

Total movement, [illegible]

Average hourly velocity, 14.4

Maximum velocity, 31 Direction, SW Time. Began 3.07 PM

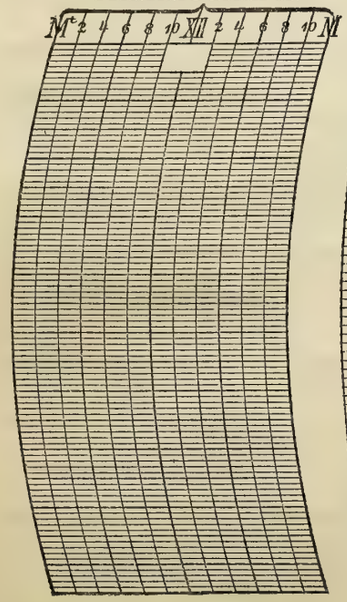
Extreme velocity, 32 SW 3.07 PM

Relative humidity, 88 a. m. 88 p. m.

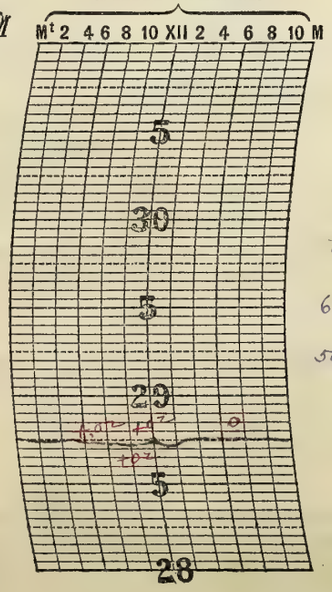
Reduced barometer, 27.67 a. m. 27.64 p. m.

River gage, 9.14

THERMOGRAPH.



BAROGRAPH.



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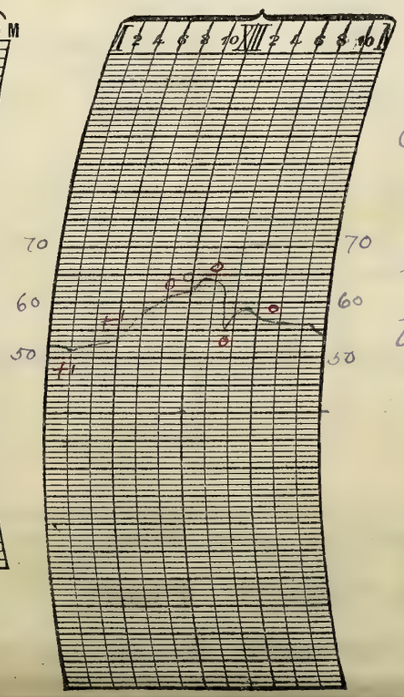


NOTES.

Occasional light showers occurred during the day.

The sun shone through opening in the clouds at intervals during the forenoon and early afternoon.

The day as a whole was disagreeable.

Prepared by HJC

Verified by [illegible]

8—486

Form No. 1012—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 9 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	54	54	54	54	54	54	55	55	56	55	56	55
State of weather: Nature of precipitation and time of beginning and ending							RE 6.15	RB 7.15	RE 8.45			RB 11.40
Amounts of precipitation	.06	.10	.01	T	T	.02	.01	T	T			T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 4.08 Character, Cloudy												
Sunshine (in tenths of hours)					0	0	0	0	0.1	0.1	0.2	0.3
Wind direction	S	SW	SW	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	11	11	11	4	4	12	11	17	13	20	16	21
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	57	59	59	61	61	60	58	56	55	54	54	54
State of weather: Nature of precipitation and time of beginning and ending		RE 1.30										RB DN
Amounts of precipitation	.01	.01										T
Cloudiness and other conditions	Cloudy						Pt Cldy			Cldy		
Sunset: Time, 7.12 Character, Cloudy												
Sunshine (in tenths of hours)	0.2	0.1	0	0.3	0.1	0	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	18	15	17	17	13	14	10	8	4	4	8	4
Maximum velocities (exceeding 29 miles) direction and time												

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
61	54	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .27 ins.; to 7 p. m., [illegible] ins.

Total precipitation, midnight to midnight, .32 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 1.4

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 9

Prevailing direction SW

Total movement, 505

Average hourly velocity, 12.7

Maximum velocity,	Direction,	Time.
25	SW	Began [illegible]

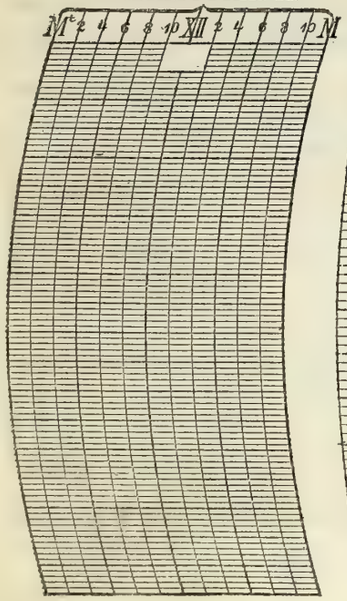
Extreme velocity, 25 SW [illegible]

Relative humidity, 92 a. m. 86 p. m.

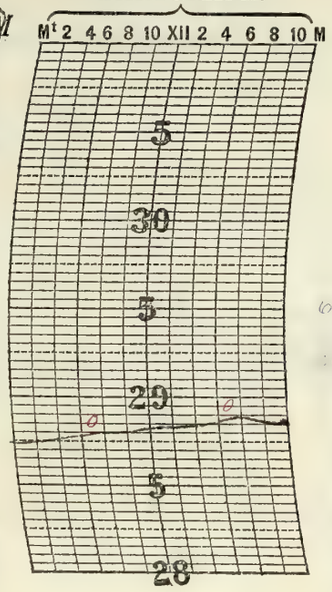
Reduced barometer, 29.71 a. m. 29.77 p. m.

River gage, 8.2 ft.

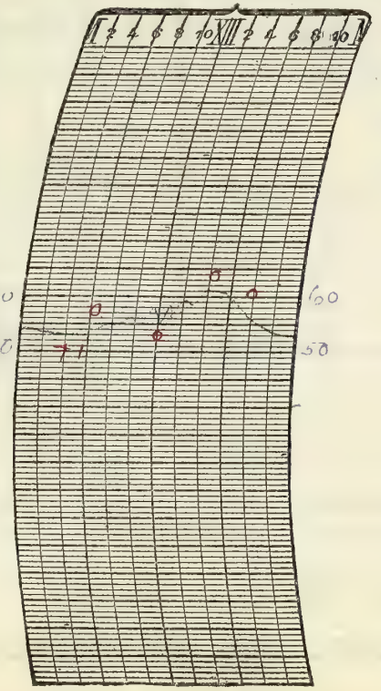
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through openings in the clouds at intervals during the late forenoon and afternoon.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 10 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	53	53	53	53	54	54	55	57	58	60	[illegible]
State of weather: Nature of precipitation and time of beginning and ending						RE DN		RB 7.05	RE 8.45	RB 9.45	RE 10.45	
Amounts of precipitation	.01	T	T	.01	T	T		T	T	T	.02	
Cloudiness and other conditions						Cloudy						
Sunrise: Time, Character,	4.08 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.9
Wind direction	SW	SW	SW	SW	SW	SW	W	SW	W	W	W	W
Wind movement	7	8	6	3	7	6	7	6	7	6	6	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	64	66	65	64	62	[illegible]	58	56	54	[illegible]	[illegible]
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		PC	Cloudy				Clear					
Sunset: Time, Character,									7.12 Clear			
Sunshine (in tenths of hours)	0.5	0.2	0.7	0.4	0.6	0.8 0.2	1.0 0	.20 0				
Wind direction	NW	NW	NW	NW	NW	W	NW	NW	NW	NW	NW	NW
Wind movement	12	10	10	12	12	12	7	4	5	6	7	6

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
66	52	57	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 3.5

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 36

Prevailing direction NW

Total movement, 183

Average hourly velocity, 7.6

Maximum velocity,	Direction,	Time.
15	NW	Began 4.48 P.M.

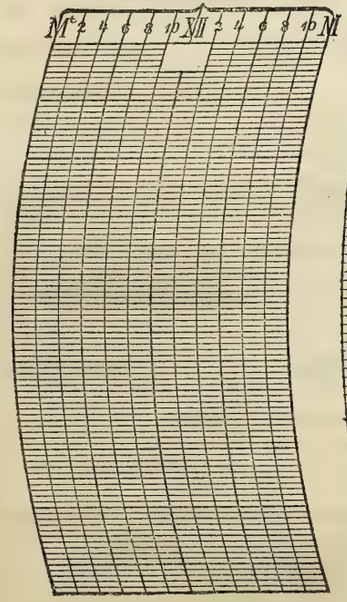
Extreme velocity, 15 - NW - 4.48 P.M.

Relative humidity, 94 a. m., 70 p. m.

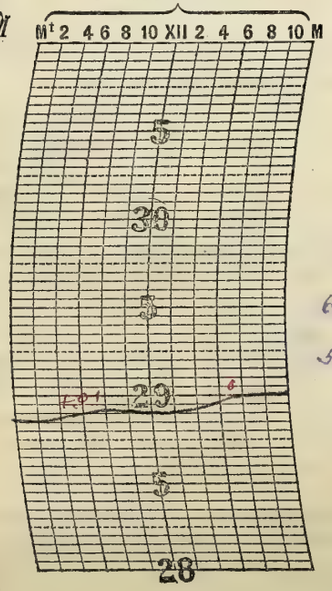
Reduced barometer, 29.84 a. m., 29.87 p. m.

River gage, 6.3 ft

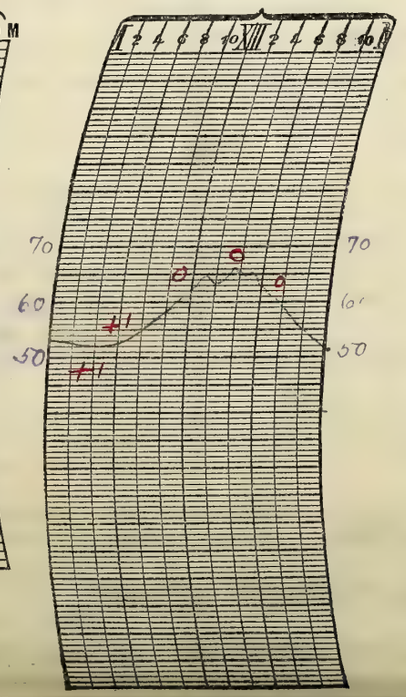
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. clouds prevailed during the afternoon

Prepared by J.H.T.C.

Verified by P.M.C.D.

8—486

Form No. 1012—Sect. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 11 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	51	50	49	48	48	50	54	60	64	66	68	69	70	71	71	70	71	71	70	67	64	63	60	58
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear					× Pt		Cloudy				×		Clear					
Sunshine (in tenths of hours)	Sunrise: Time, 4.08; Character, Clear				.87	1.0	0.3											0.7	1.0	.22	Sunset: Time, 7.13; Character, Clear			
					0	0	0.5	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.3	0.6	0.8	0.3	0	0				
Wind direction	NW	NW	NW	NW	NW	NW	W	NW	NW	W	NW	N	N	N	N	NE	NE	NE	NE	NE	NE	N	N	N
Wind movement	3	3	3	3	3	4	4	4	5	5	5	7	7	6	6	4	3	5	3	4	2	3	3	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	48	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 13.5

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 89

Prevailing direction

Total movement, 99

Average hourly velocity, 4.1

Maximum velocity, 11 Direction, N Time. Began 12 to 8 P.M.

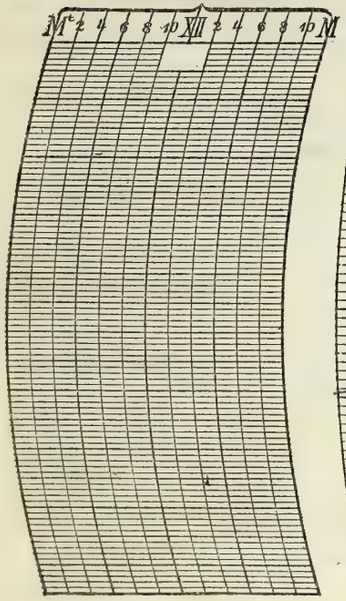
Extreme velocity, 11 N 12 to 8 P.M.

Relative humidity, 88 a. m. 66 p. m.

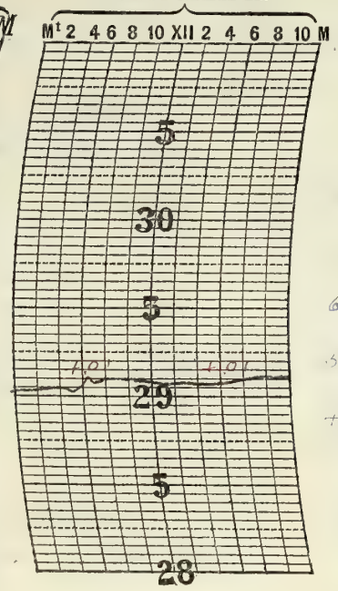
Reduced barometer, 30.03 a. m. 30.02 p. m.

River gage, 6.3 ft.

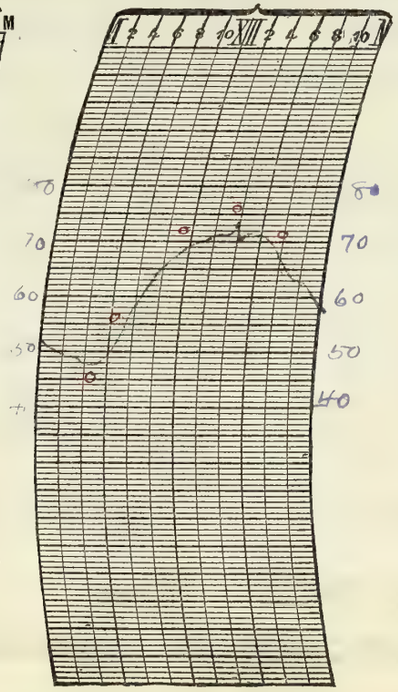
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. clouds prevailed during the middle of the day

Prepared by J.F.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 12 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	57	56	55	58	60	67	71	72	73	72	74	74	78	77	76	75	73	70	67	65	64	62
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear					Pt. Cloudy								Clear					
Sunshine (in tenths of hours)					.87	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5	0.6	0.6	1.0	0.5	0.6 0.3	1.0 0	0.2 0				
Wind direction	N	N	N	N	NE	NE	NE	NE	NE	N	N	N	N	N	NE	N	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	3	5	5	3	3	5	4	3	5	7	1	1	5	5	7	4	7	7	5	3	3	4	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.08 Character, Clear

Sunset: Time, 7.13 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
78	55	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ✓

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 13.0

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 86

Prevailing direction N

Total movement, 111

Average hourly velocity, 4.6

Maximum velocity, 9 Direction, NW Time. Began 5.24 P.M.

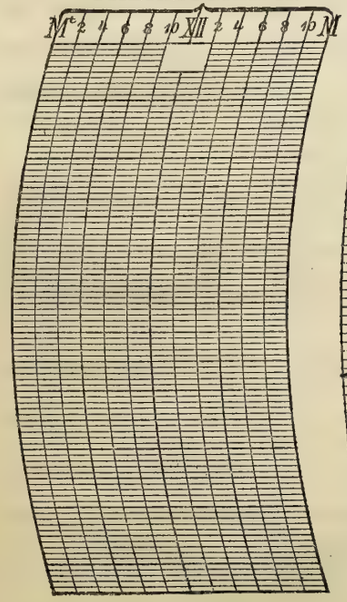
Extreme velocity, 9 - NW - 5.24 P.M.

Relative humidity, 86 a. m. 56 p. m.

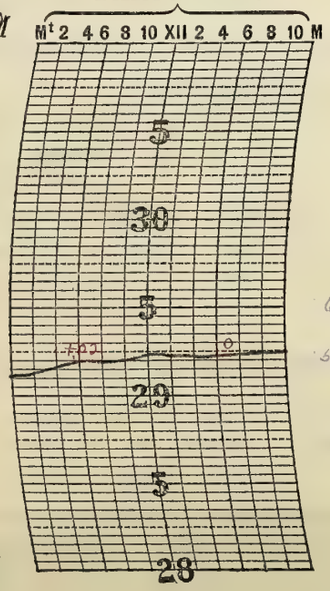
Reduced barometer, 30.15 a. m. 30.15 p. m.

River gage, 5.6 ft.

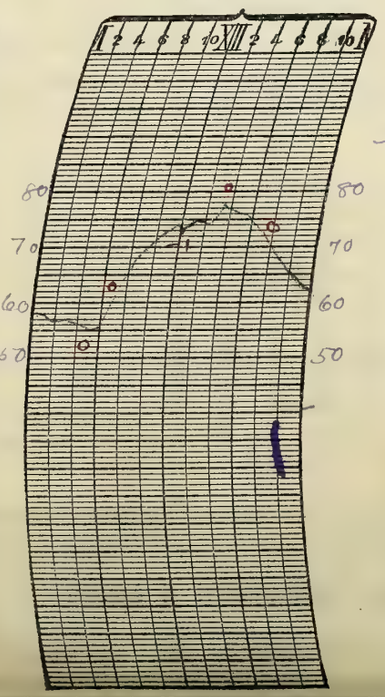
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. clouds prevailed during the middle of the day

Prepared by N.T.C.

Verified by P.M.G.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 13 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	60	59	57	57	61	64	70	72	74	76	77	79	81	83	81	80	80	77	74	70	70	70	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear							×	Pt cldy		×		Clear						
Sunshine (in tenths of hours)					0	0	0.6	0.9	0.6	0.9	0.9	0.1	1.0	0.8	1.0	0.7	0.7	0.4	0	0				
Wind direction	N	N	O	N	N	N	N	N	N	SW	S	SE	S	SE	SW	SW	S	S	S	S	S	SW	SW	SW
Wind movement	4	5	0	1	5	2	1	1	4	5	5	5	3	6	7	5	6	5	5	1	1	1	1	3

Sunrise: Time, 4.08; Character, Clear

Sunset: Time, 7.14; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
82	57	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 11.5

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 76

Prevailing direction N

Total movement, 82

Average hourly velocity, 3.4

Maximum velocity, 8 Direction, S Time. Began 2.44 PM

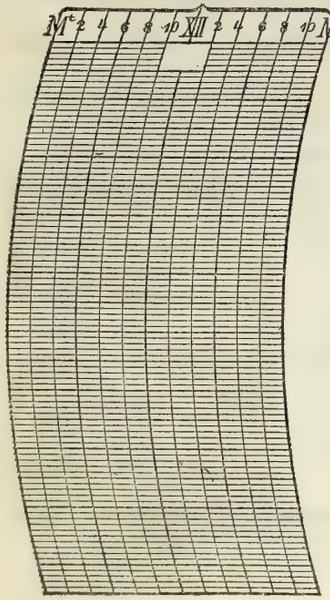
Extreme velocity, 8 – S – 2.44 PM

Relative humidity, 82 a. m. 47 p. m.

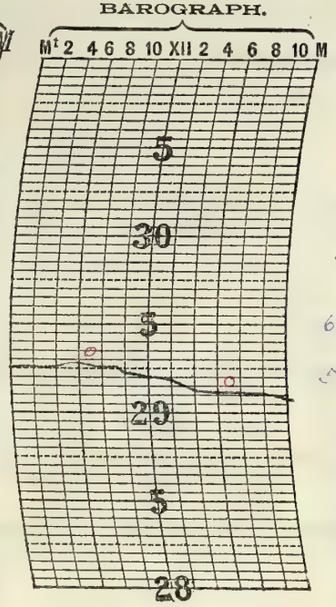
Reduced barometer, 30.18 a. m. 30.02 p. m.

River gage, 4.6 ft.

THERMOGRAPH.



BAROGRAPH.



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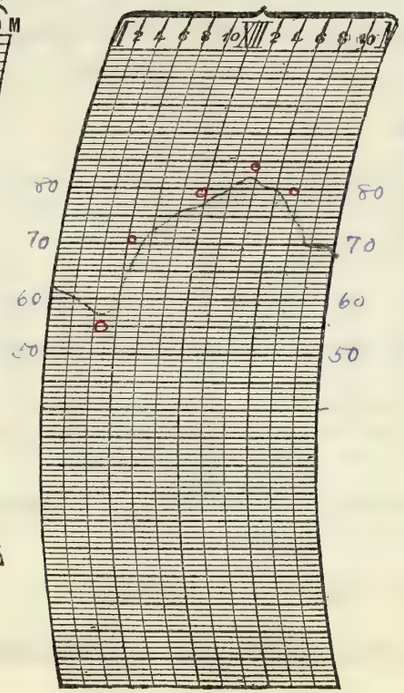


NOTES.

St. Cu. Clouds prevailed during the middle of the day

Prepared by J.H.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 14 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	6[illegible]	66	65	64	[illegible]	65	68	72	75	76	77	79
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear				× PC	Cldy	×	
Sunrise: Time, Character,	4.08 Clear											
Sunshine (in tenths of hours)	1				.87 0	1.0 0	0.6 0.4	0.4	0	0.9	0.6	1.0 0.5
Wind direction	SW	S	S	S	S	S	SW	SW	SW	SW	SW	SW
Wind movement	5	4	6	7	7	7	8	10	13	12	13	13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	62	63	62	61	60	61	[illegible]	60	59	57	57
Nature of precipitation and time of beginning and ending		RB 1.05				RE 6.00						
Amounts of precipitation		.21	.06	.05	.08	.06						
Cloudiness and other conditions			Cloudy				Cloudy					
Sunset: Time, Character,									7.14 Cloudy			
Sunshine (in tenths of hours)	0.7	0	0	0	0	0	0	0	1			
Wind direction	NW	NW	NW	N	S	SE	SE	SW	SW	SW	SW	SW
Wind movement	16	11	7	4	7	11	11	5	6	4	6	3

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
79	47	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .41 ins.

Total precipitation, midnight to midnight, .41 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 7.0

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 46

Prevailing direction SW

Total movement, 198

Average hourly velocity, 8.2

Maximum velocity,	Direction,	Time.
18	SW	Began 8.21 P.M.

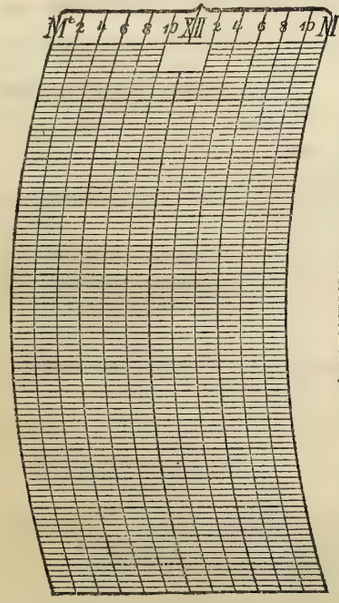
Extreme velocity, 19 – SW – 8.31 A.M.

Relative humidity, 73 a. m., 91 p. m.

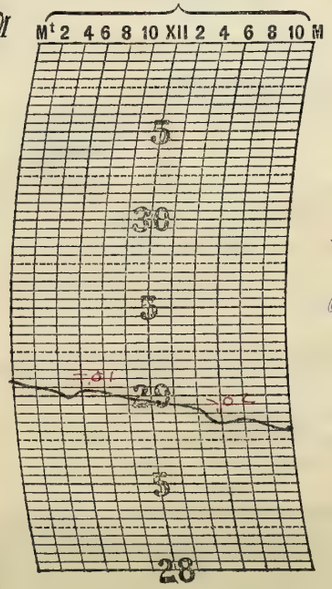
Reduced barometer, 29.92 a. m., 29.74 p. m.

River gage, 4.19

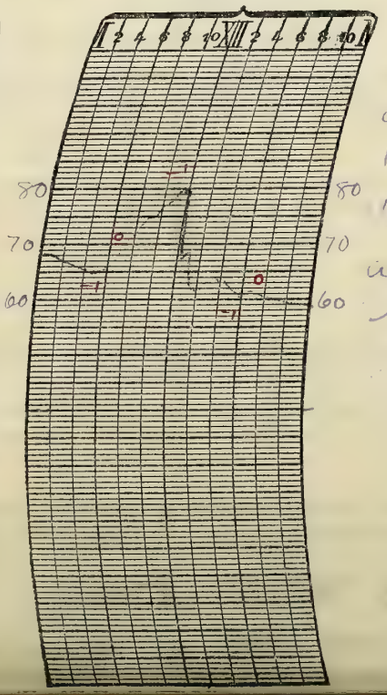
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A moderate thunderstorm passed over the station during the afte[illegible]. The storm came from the wes[illegible]. The first thunder was heard at 12.59 P.M. and the last was heard at 2.10 P.M. but the rain continued until 6.04 P.M. Ci. clouds prevailed during the fo[illegible]

Prepared by J. F. C.

Verified by P. Mer[illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Point, Tex., (Day of week) Thursday, (Date) JUN 15 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	57	58	58	58	58	59	62	69	71	73	74	76	74	74	73	72	70	64	68	66	66	60
State of weather: Nature of precipitation and time of beginning and ending																				DN 7.10 RE 7.20				DN
Amounts of precipitation																				T				.01
Cloudiness and other conditions					← Foggy		× Cloudy						× Pt Cloudy											→
Sunshine (in tenths of hours)	1				0	0	0	0	0.8	1.0	1.0	1.0	1.0	0.9	0.8	0.8	0.6	0.1	0	0				
Wind direction	SW	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	SE	SE	S	S	SE	SW
Wind movement	6	6	5	5	6	4	6	5	7	5	8	9	11	11	13	9	11	8	7	8	7	9	10	17

Sunrise: Time, 4.08; Character, Cloudy

Sunset: Time, 7.14; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
76	57	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Pt Cloudy Moon phase, Full Moon 3.43 P.M.

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 8.0

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 53

Prevailing direction SW

Total movement, 93

Average hourly velocity, 8.0

Maximum velocity, 29 Direction, SW Time. Began 10.38 P.M.

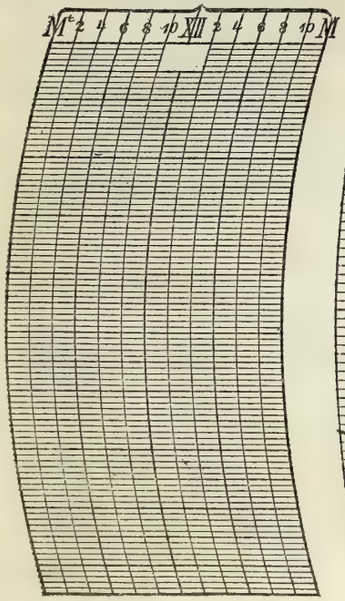
Extreme velocity, 29 SW 10.38 P.M.

Relative humidity, 100 a. m. 72 p. m.

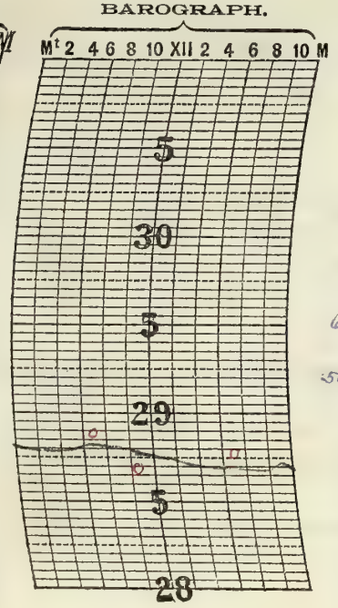
Reduced barometer, 29.73 a. m. 29.60 p. m.

River gage, 3.7 ft.

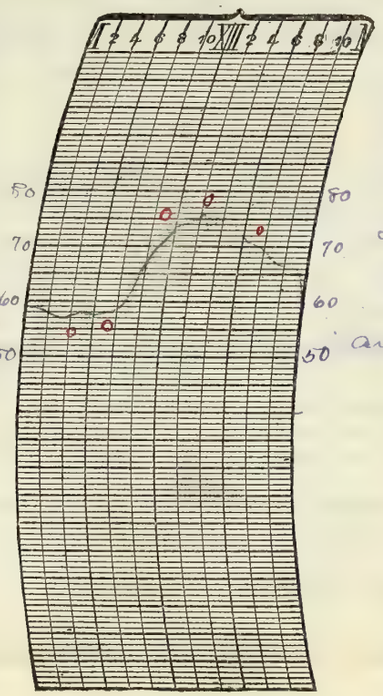
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense Fog began D.N.A. and ended 7.10 A.M.
Light Fog began 7.20 A.M. and ended 8.15 A.M.
The clouds began to break at 8.20 A.M.
It sprinkled from 7.10 P.M. to 7.30 P.M.
Lightning was seen from 8.30 P.M. to 12:00 midnight
and thunder was heard from 9.40 P.M. to 11.30 P.M.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) JUN 16 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	57	58	57	56	56	56	58	59	60	61	63	64	64	65	67	57	61	64	61	61	60	59	58	56
State of weather: Nature of precipitation and time of beginning and ending	RE DN															RB 3.20	RE 4.45							
Amounts of precipitation	T															.13	.01							
Cloudiness and other conditions								Cloudy								Cloudy			Cloudy					
Sunshine (in tenths of hours)					0	0	0	0	0	0.7	0.3	0	0	0.5	0.5	0	0	0.5	0	0				
Wind direction	W	SW	S	SW	SW	SW	SW	SW	SW	S	S	S	SE	SE	SE	W	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	6	8	6	6	9	7	6	5	9	8	10	8	11	10	8	7	8	10	8	9	12	14	14

Sunrise: Time, 4.08; Character, Cloudy

Sunset: Time, 7.15; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
67	56	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., .14 ins.

Total precipitation, midnight to midnight, .15 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 2.5

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 17

Prevailing direction SW

Total movement, 206

Average hourly velocity, 8.6

Maximum velocity, 18 Direction, SW Time. Began 3.14 PM

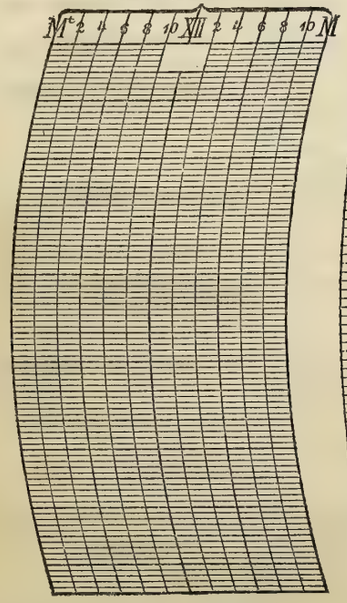
Extreme velocity, 18 - SW - 3.14 PM

Relative humidity, 90 a. m., 75 p. m.

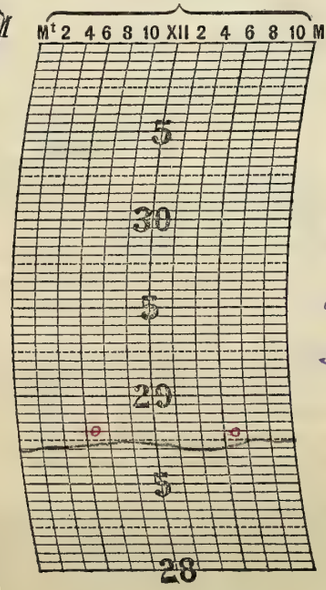
Reduced barometer, 29.64 a. m., 29.61 p. m.

River gage, 3.6 ft

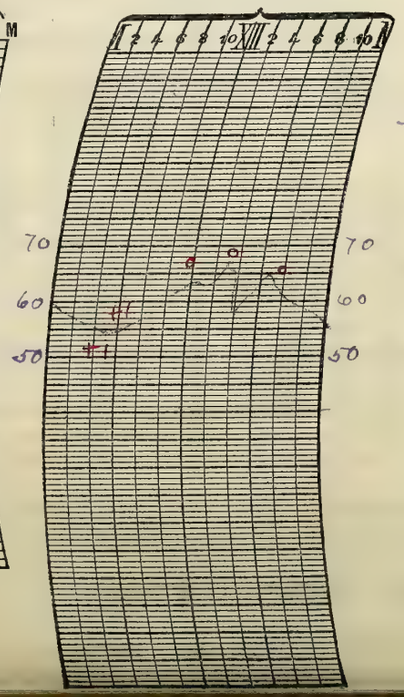
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through opening in the clouds the middle of the day. 3.20 p to 4.45 p.

Prepared by [illegible]

Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 17 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	55	54	54	54	55	57	59	61	63	65	67	68	69	70	69	68	68	67	64	56	55	56	55
State of weather: Nature of precipitation and time of beginning and ending																RB 3.45 RE 3.50 T					RB 8.13	RE DN		
Amounts of precipitation																					.09	.09		
Cloudiness and other conditions			←		Cloudy			×		Pt	Cloudy				×		Clear			FC×		Cldy	→	

Sunrise: Time, 4.08; Character, Cloudy

Sunset: Time, 7.15; Character, Clear

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)					0	0	0	0.1	0.4	0.7	0.7	0.8	0.8	0.7	0.9	0.7	1.0	0.6 0.4	1.0 0	.25 0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	13	12	13	14	13	2	16	17	18	19	17	17	17	19	16	18	12	8	7	5	7	4	6

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
70	54	62.5	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .18 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 9.0

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 60

Prevailing direction SW.

Total movement, 324

Average hourly velocity, 13.5

Maximum velocity, 25 Direction, SW Time. Began 8.25 PM

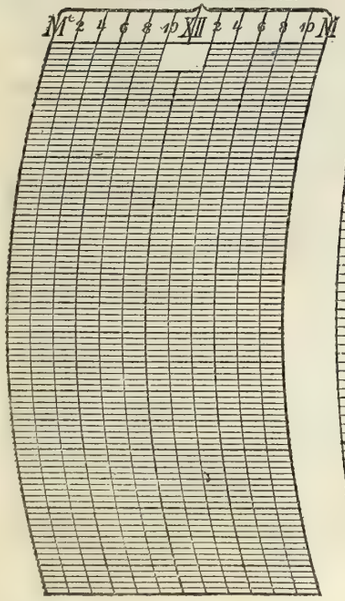
Extreme velocity, 25 SW 8.25 PM

Relative humidity, 95 a. m. 89 p. m.

Reduced barometer, 29.73 a. m. 29.78 p. m.

River gage, 3.7 ft.

THERMOGRAPH.



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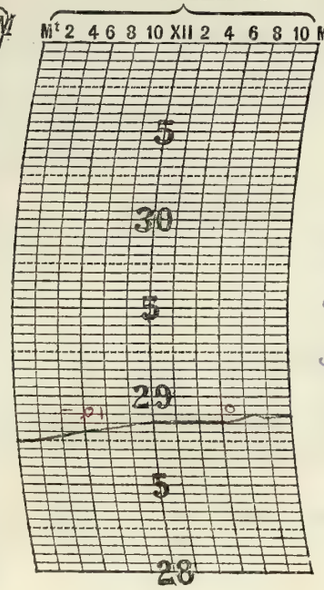
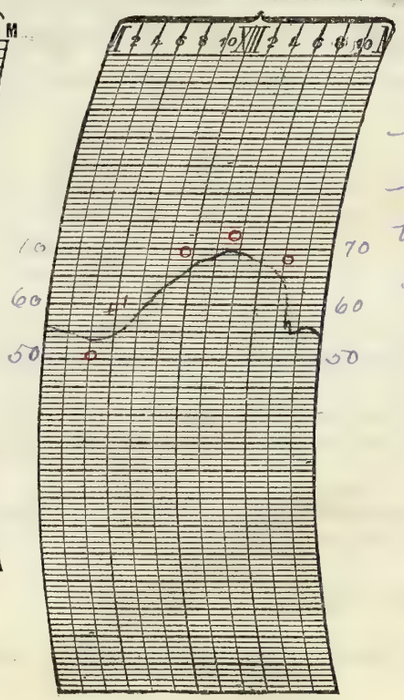


THERMOGRAPH.



NOTES.

A moderate thunderstorm passed over the station during the evening. The first thunder was heard at 8.18 P.M. and last at 9.0 P.M.; the storm came from the W.

Prepared by A.T.C.

Verified by D.McK.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 18 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	54	53	52	53	54	56	59	63	66	68	70	71	70	72	71	70	64	62	62	62	62	62	62
							TB 6.00 TE 6.02										TB 4.40			TE 7.30				
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation							T										T	.03	.08	T				
Cloudiness and other conditions					← Cldy			— ×	P.C. ×	Clear		×	Pt	Cldy	×	—	Pt	Cloudy			→			

Sunrise: Time, 4.08; Character, Cloudy

Sunset: Time, 7.15; Character, Cloudy

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0.9	1.0	1.0	1.0	0.8	0.9	0.8	0.9	0.3	0	0	0	0				
Wind direction	SW	SW	SW	SW	W	W	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	7	8	8	7	7	8	8	8	10	12	12	12	12	13	11	12	11	8	9	6	6	5	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
72	52	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .18 ins.; to 7 p. m., .10 ins.

Total precipitation, midnight to midnight, .1 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 7.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 50

Prevailing direction SW

Total movement, 211

Average hourly velocity, 8.8

Maximum velocity, 16 Direction, SW Time. Began 1.20 PM

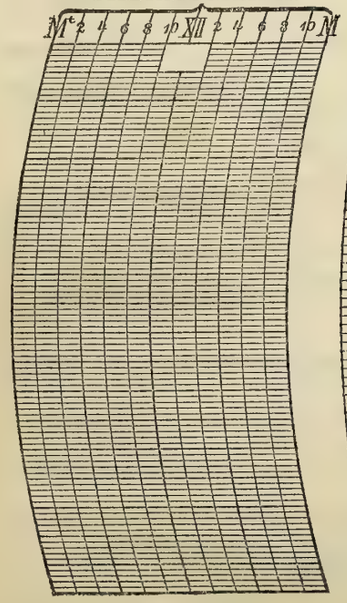
Extreme velocity, 17-SW-1.20 PM.

Relative humidity, 95 a. m. 84 p. m.

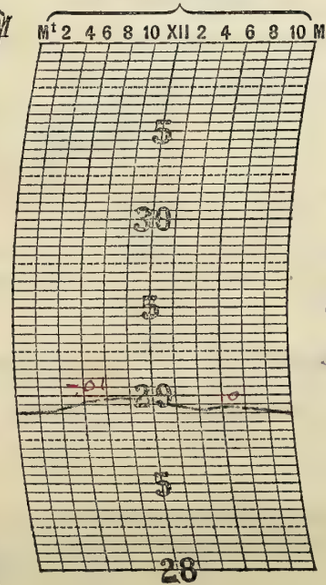
Reduced barometer, 29.90 a. m. 29.84 p. m.

River gage, 3.8 ft.

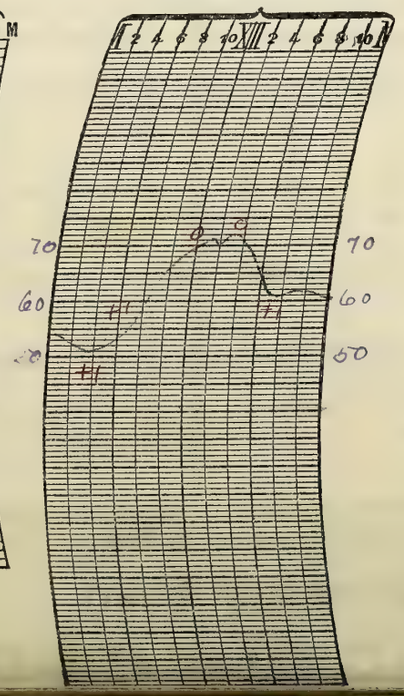
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.F.C.

Verified by J. J. McG.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUN 19 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	60	60	59	57	55	59	62	64	65	66	67	68	68	70	69	68	67	66	62	60	58	57	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←		Pt cloudy									×			Clear					
Sunshine (in tenths of hours)					0	0	0.5	1.0	0.6	1.0	1.0	0.7	1.0	0.7	0.7	1.0	0.4	1.0	1.0	.27				
Wind direction	S	W	W	NW	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N
Wind movement	4	3	4	5	6	5	5	6	7	12	11	11	11	12	11	13	11	8	7	5	6	4	3	2

Sunrise: Time, 4.08; Character, Cloudy

Sunset: Time, 7.16; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	70	55	62.5	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy; Moon phase,

Average daily cloudiness (0–10) 5

Actual sunshine, hours, 11.4

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 79

Prevailing direction NW

Total movement, 174

Average hourly velocity, 7.2

Maximum velocity,	Direction.	Time.
16	NW	Began 3.44 P.M.

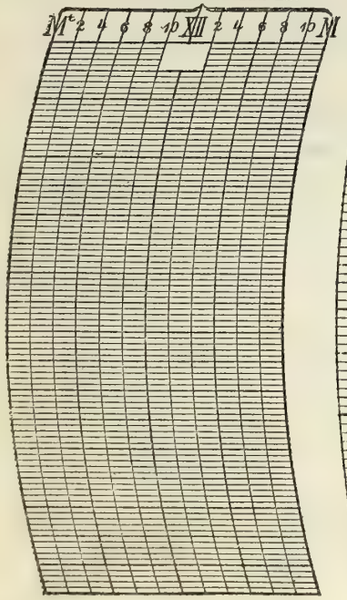
Extreme velocity, 17 – NW – 3.44 P.M.

Relative humidity, 83 a. m., 59 p. m.

Reduced barometer, 29.82 a. m., 29.86 p. m.

River gage, 4.9 ft

THERMOGRAPH.



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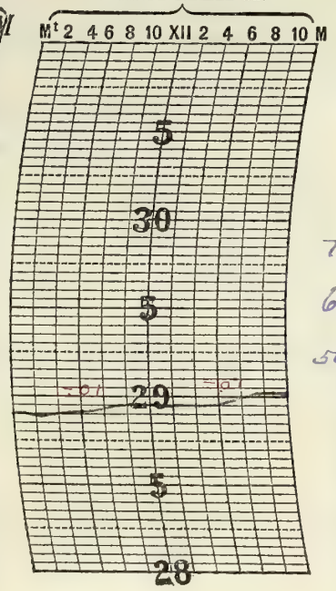

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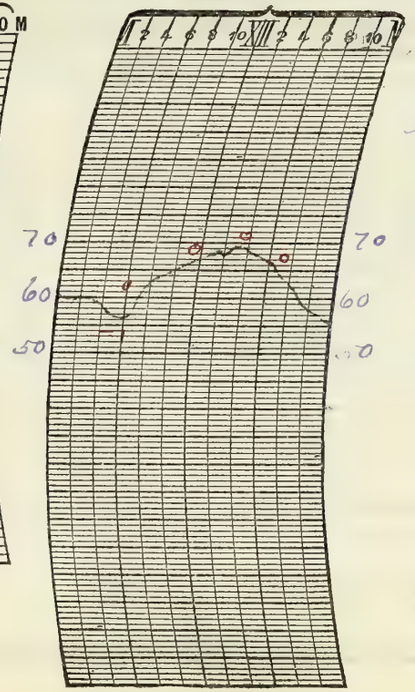


NOTES.

St. Cu. clouds prevailed from 8.00 A.M. to 4.00 P.M.

Prepared by A.T.C.

Verified by P.M.

8—436

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ____, (Date) JUN 20 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	64	63	61	60	64	65	67	65	66	67	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear					P.Cly	
Sunrise: Time, Character,	4.09 Clear											
Sunshine (in tenths of hours)		1			.85 0	0.7 0.3	0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	V	N	N	N	N	NE	E	NE	NE	E	E	E
Wind movement	5	4	3	4	5	6	5	6	6	6	6	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	69	68	68	67	66	65	63	61	60	56	53
State of weather: Nature of precipitation and time of beginning and ending				RB 3.55 RE 4.00					RB 8.45			
Amounts of precipitation				T					T	.01	.14	.41
Cloudiness and other conditions						Cloudy						
Sunset: Time, Character,									7.16 Cloudy			
Sunshine (in tenths of hours)	1.0	0.7	0.2	0	0	0	0	0				
Wind direction	E	E	NE	E	E	NE	NE	E	NE	NE	NE	NE
Wind movement	0	4	5	5	6	7	7	7	7	12	13	16
Maximum velocities (exceeding 29 miles) direction and time												

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
67	0		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .57 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10)

Actual sunshine, hours, 9.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 64

Prevailing direction NE

Total movement, 156

Average hourly velocity, 6.5

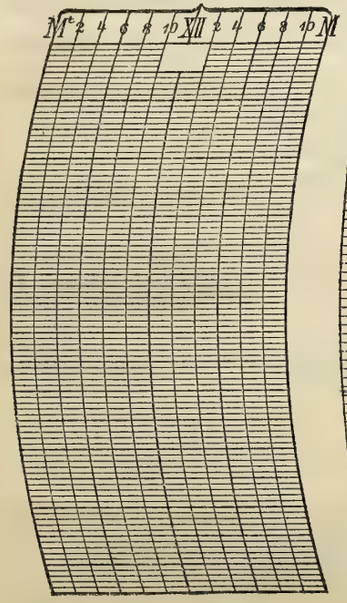
Maximum velocity,	Direction,	Time.
18	NE	Began 11.33 P.M.
Extreme velocity, 50	N	11.32 P.M.

Relative humidity, 68 a. m., 64 p. m.

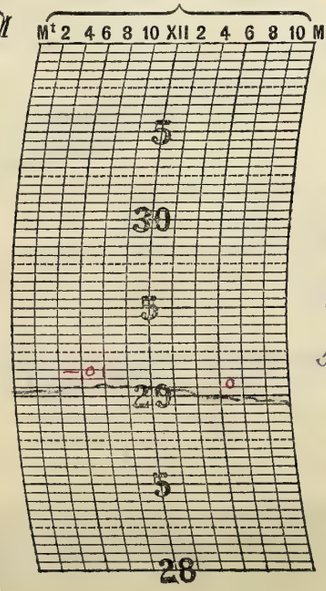
Reduced barometer, 29.46 a. m., 29.37 p. m.

River gage, 3.6 ft.

THERMOGRAPH.



BAROGRAPH.



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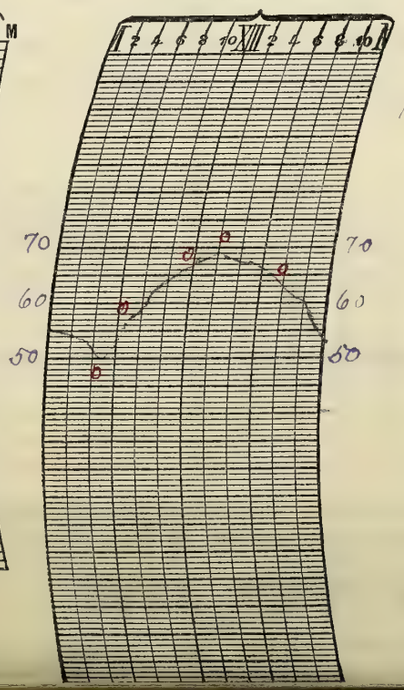


NOTES.

Cirro. si. St. clouds prevailed from 10.00 A.M. to 2.00 P.M.

Prepared by H.T.C.

Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 21 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	53	52	53	54	55	56	57	58	59	62	64
Nature of precipitation and time of beginning and ending					RE DR							
Amounts of precipitation	.40	.22	.08	.17	.05							
Cloudiness and other conditions						Clouds						
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.2	0.8
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	22	22	18	20	18	18	18	13	16	12	12	13

Sunrise: Time, 4.09; Character, Cloudy

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	65	68	68	69	68	66	64		59	56	55	54
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		PtCldy				Clear						
Sunshine (in tenths of hours)	1.0	0.7	0.8	0.8	0.6	0.2	1.0	.27				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	10	8	7	8	8	8	8	8	9	7	5	6

Sunset: Time, 7.16; Character, Clear

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
67	52	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .48 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .92 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10), 7

Actual sunshine, hours, 6.7

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 44

Prevailing direction NE.

Total movement, 294

Average hourly velocity, 12.2

Maximum velocity,	Direction,	Time.
27	NE	Began 1.24 AM

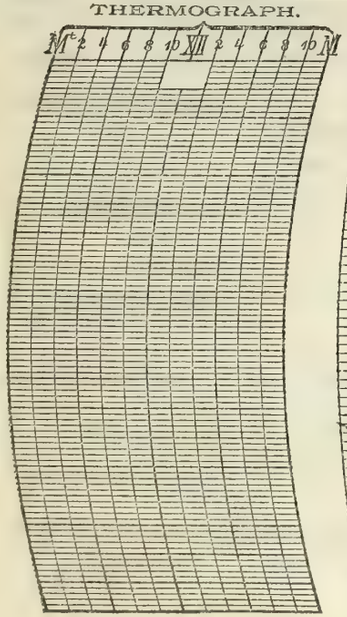
Extreme velocity, 28 – NE – 1.24 AM

Relative humidity, 88 a. m., 70 p. m.

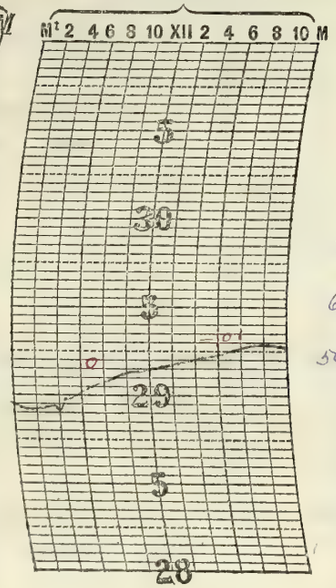
Reduced barometer, 29.95 a. m., 30.16 p. m.

River gage, 8.8 ft.

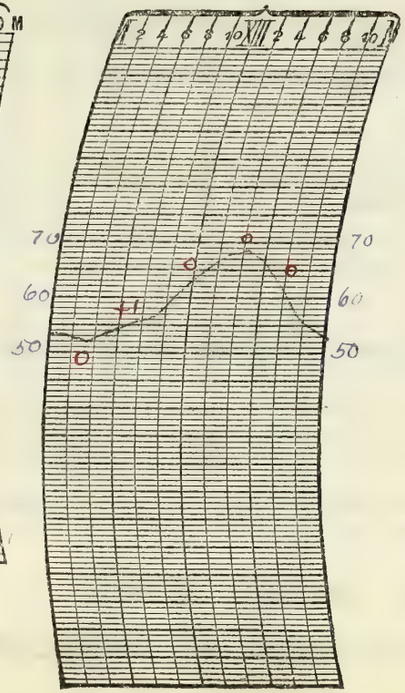
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunder was heard from 12 05 A.M. to 1 00 A.M.

Prepared by J.H.C.

Verified by [illegible]

3—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	52	52	52	53	54	57	60	61	62	64	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunrise: Time, 4.09; Character, Clear												
Sunshine (in tenths of hours)					0	0.1	0.5	0.9	0.5	0.4	1.0	1.0
Wind direction	E	E	E	E	E	E	E	NE	E	NE	E	E
Wind movement	7	4	3	5	3	3	5	6	7	8	8	7

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	69	70	70	70	69	68	64	63	61	60	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt Cloudy				Clear					
Sunset: Time, 7.16; Character, Clear												
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.5	0	0.7	1.0	0				
Wind direction	E	E	SE	SE	SE	SE	SE	SE	N	E	E	SE
Wind movement	11	6	8	7	6	8	5	7	7	5	6	5

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
70	52	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase, Last Quarter 7th

Average daily cloudiness (0–10)

Actual sunshine, hours, 11.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 77

Prevailing direction E

Total movement, 145

Average hourly velocity, 6.0

Maximum velocity,	Direction,	Time.
15	E	Began 12.40 PM

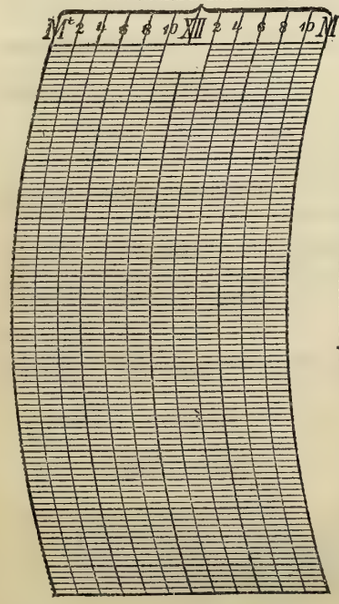
Extreme velocity, 12 - E - 12.40 PM

Relative humidity, 83 a. m., 50 p. m.

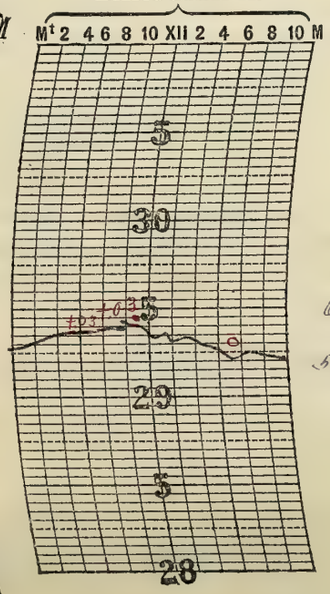
Reduced barometer, 30.33 a. m., 30.16 p. m.

River gage, 7.6 ft.

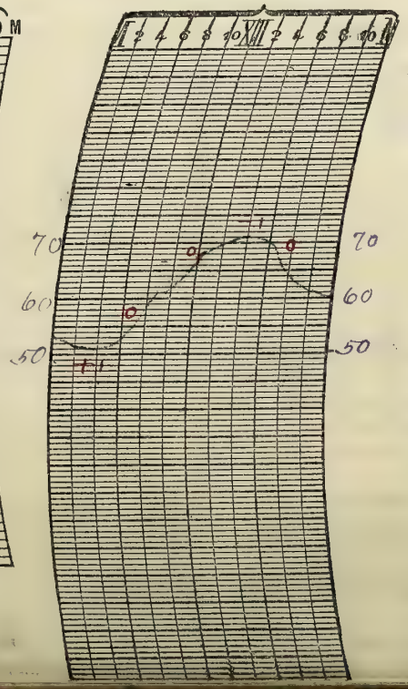
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. St. and Ci. clouds prevailed during the afternoon.

Prepared by NMC.
Verified by PMC.

Form No. 1014—Met.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 23 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	59	58	57	57	60	64	68	70	73	75	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy day					
Sunshine (in tenths of hours)					0	0	10	10	10	10	10	10
Wind direction	SE	SE	SE	SE	SE	SE	SE	S	S	S	S	S
Wind movement	8	5	6	5	6	10	7	12	12	15	11	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	82	83	84	84	83	79	77	76	74	73	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy		Clear		Cloudy							
Sunshine (in tenths of hours)	10	10	10	10	10	06	0	0				
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	10	11	14	13	13	10	7	7	4	10	12	9

Sunrise: Time, 4.09 Character, Cloudy

Sunset: Time, 7.17 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
84	57	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 11.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 77

Prevailing direction S

Total movement, 234

Average hourly velocity, 9.8

Maximum velocity,	Direction,	Time.
17	S	Began 3.02 PM

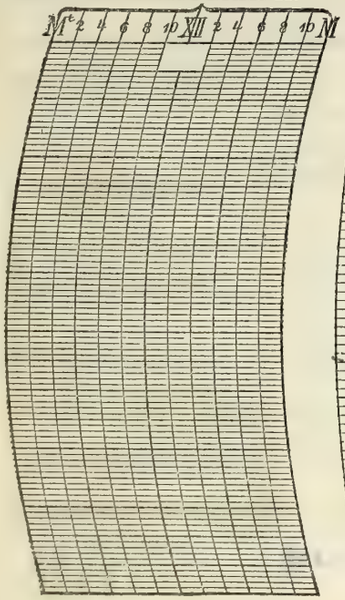
Extreme velocity, 17 S 3.02 PM

Relative humidity, 60 a. m. 68 p. m.

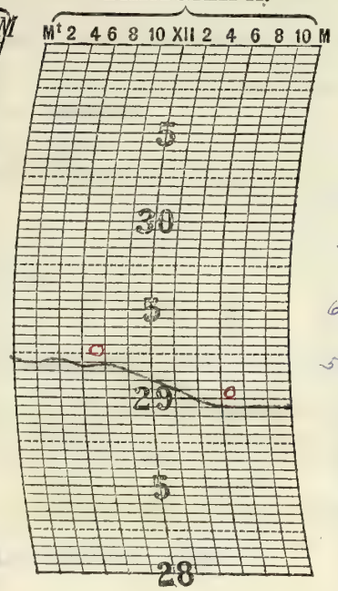
Reduced barometer, 30.11 a. m. 29.88 p. m.

River gage, 7.0 ft.

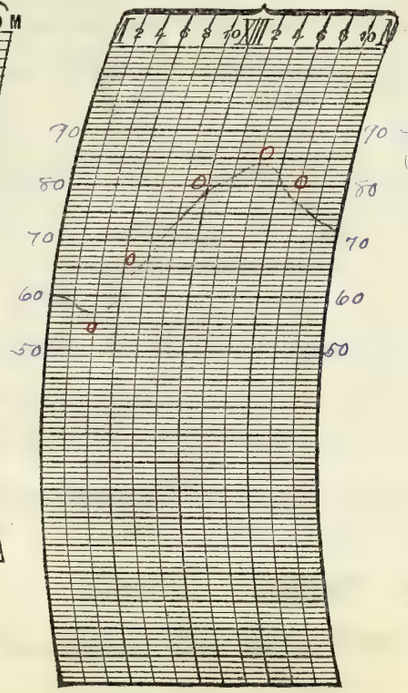
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. St. and some St. clouds prevailed during the day.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUN 24 1916 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	70	67	64	68	69	72	73	74	76	77	79	79	80	77	78	77	75	73	70	68	67	65	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←		Cloudy						→			Pt. Cloudy									
Sunrise: Time, 4.10 Character, Cloudy																					Sunset: Time, 7.17 Character, Cloudy			
Sunshine (in tenths of hours)		1			0	0	0	0	0.6	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.6	0	0	0				
Wind direction	S	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	NW	NW	NW	W
Wind movement	8	8	7	6	5	5	7	9	9	12	14	16	14	17	16	18	13	11	9	7	6	4	3	5
Maximum velocities (exceeding 9 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
80	63	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10) 5

Actual sunshine, hours, 8.1

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 54

Prevailing direction W

Total movement, 236

Average hourly velocity, 9.8

Maximum velocity,	Direction,	Time.
24	W	Began 12.23 P.M.

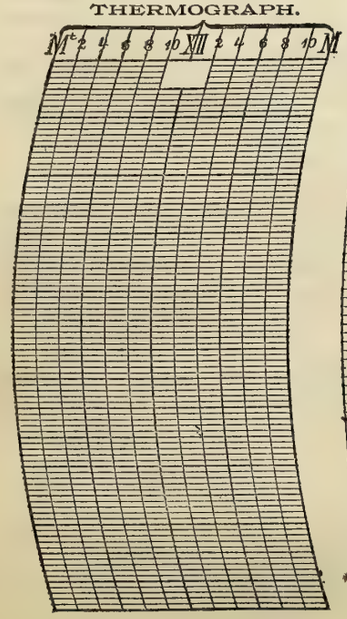
Extreme velocity, 26 W 2.03 P.M.

Relative humidity, 84 a. m. 58 p. m.

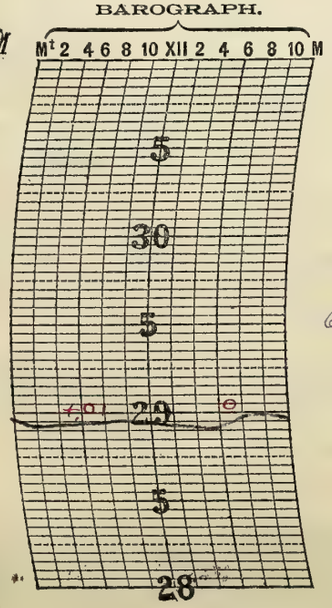
Reduced barometer, 29.87 a. m. 29.87 p. m.

River gage, 5.4 ft

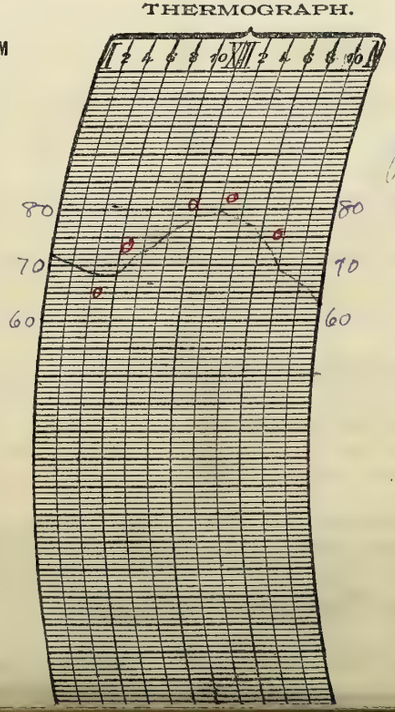
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. St. and a few St. Cu. clouds prevailed during the day after 9.00 A.M.

Prepared by H.T.C.

Verified by P.M.S.D.

Form No. 1014—Mcu 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 25 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	62	61	59	60	64	67	68	70	72	73	75	76	77	77	76	76	75	72	70	64	65	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			←						Clear						Clear									
Sunshine (in tenths of hours)	Sunrise: Time, 4.10 Character, Clear				.83 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.7	0.6 0.4	1.0 0	.28 0	Sunset: Time, 7.17 Character, Clear			
Wind direction	W	W	W	W	W	NW	NW	N	NW	NW	NW	N	NW	W	W	W	W	SW	SW	SW	SW	SW	W	W
Wind movement	6	5	6	6	5	5	7	7	3	8	7	6	5	7	5	7	5	7	4	4	4	1	2	2
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
77	59	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 14.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 97

Prevailing direction W

Total movement, 127

Average hourly velocity, 5.4

Maximum velocity,	Direction,	Time.
10	NW	Began 8.43 A.M.

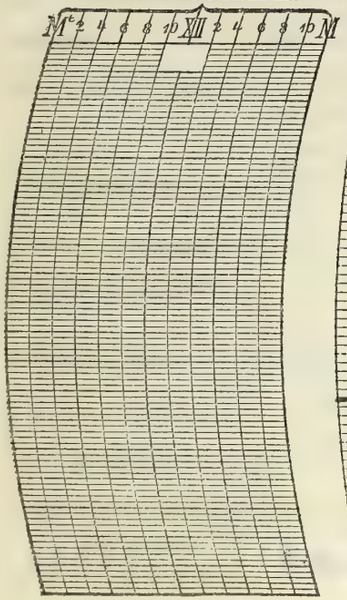
Extreme velocity, 10 NW 8.43 A.M.

Relative humidity, 71 a. m., 48 p. m.

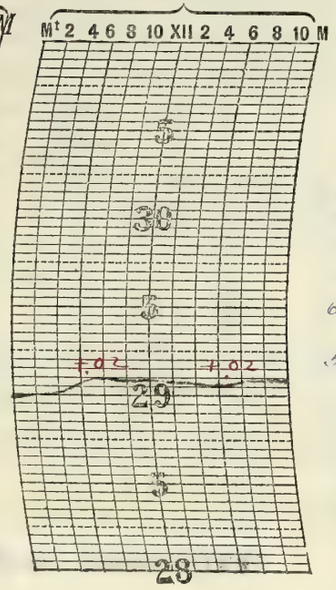
Reduced barometer, 30.01 a. m., 30.01 p. m.

River gage, 4.3 ft

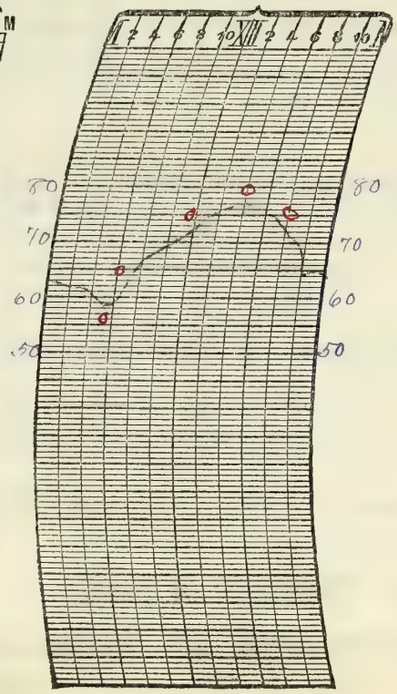
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some Ci. St. clouds prevailed during the afternoon.

Prepared by H.P.C.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 26 1916 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	62	61	57	59	63	67	71	74	76	78	80	81	83	83	83	70	64	65	64	64	64	63	63
State of weather: Nature of precipitation and time of beginning and ending																		RB 5.15		RE 8.00				
Amounts of precipitation																		.16	.29	.15				
Cloudiness and other conditions							Clear										Pt Cly		Cloudy					
Sunrise: Time, 4.10 Character, Clear																					Sunset: Time, 7.17 Character, Cloudy			
Sunshine (in tenths of hours)					.83	0.8	0.2	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0	0	0	0				
Wind direction	SW	SW	S	S	S	S	S	S	S	SW	SW	SW	S	SW	S	SW	SW	NW	NW	S	S	S	SW	SW
Wind movement	2	3	4	4	4	6	8	13	13	15	14	14	15	16	16	15	13	13	4	4	7	7	6	6
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
83	57	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .60 ins.

Total precipitation, midnight to midnight, .60 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 11.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 77

Prevailing direction S

Total movement, 222

Average hourly velocity, 9.2

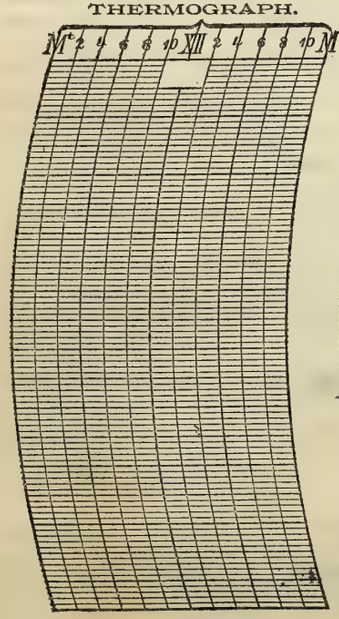
Maximum velocity,	Direction,	Time.
22	NW	Began 4.54 P.M.
Extreme velocity, 22	NW	4.54 P.M.

Relative humidity, 89 a. m. 100 p. m.

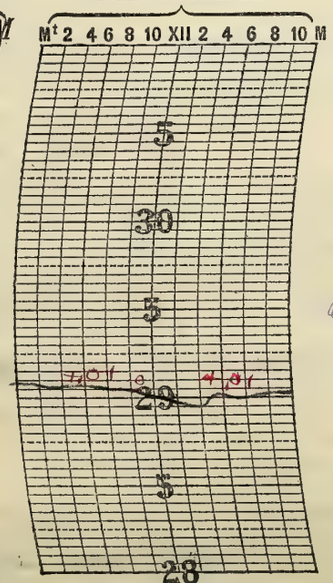
Reduced barometer, 30.00 a. m. 29.94 p. m.

River gage, 4.2 ft

THERMOGRAPH.



BAROGRAPH.



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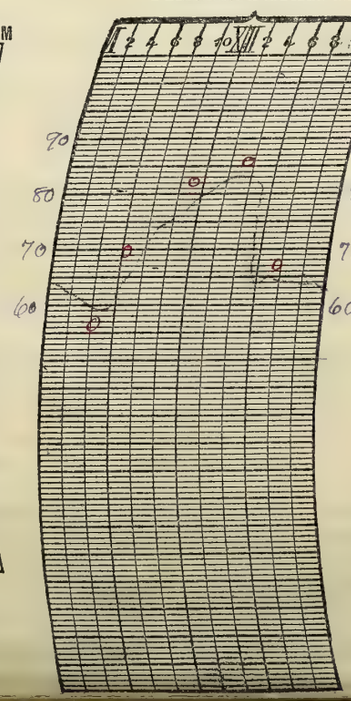


NOTES.

A moderate thunderstorm passed over the station from 5.15 P. to 8.00 P. M. The storm came from the northwest and was accompanied by some shifty and gusty winds.

Prepared by J.H.C.

Verified by P.M.C.

Form No. 1011—Met I.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 27 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	62	62	63	62	63	65	67	70	72	74	75	77	78	78	78	76	75	74	69	66	62	60	58
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Cloudy						×	Pt Cloudy						Pt Cloudy						
Sunshine (in tenths of hours)					0	0	0	0.6	0.7	1.0	1.0	1.0	1.0	0.8	1.0	0.7	0.0	0.1	0.0	0				
Wind direction	SW	W	NW	NW	NW	N	N	N	N	N	NW	NW	NW	NW	NW	N	N	NE	N	N	NE	NE	NE	NE
Wind movement	6	7	6	7	10	7	5	6	3	4	6	6	6	7	8	8	8	8	6	11	11	11	12	8

Sunrise: Time, 4.11 Character, Cloudy

Sunset: Time, 7.17 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
78	58	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .22 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 11.3

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 75

Prevailing direction N

Total movement, 177

Average hourly velocity, 7.4

Maximum velocity,	Direction,	Time.
14	N	Began 10.04 P.M.

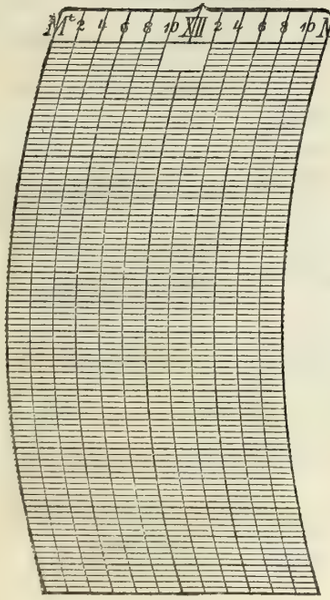
Extreme velocity, 14 N 10.04 P.M.

Relative humidity, 85 a. m. 65 p. m.

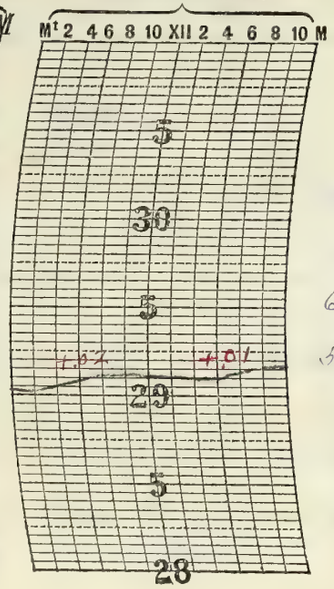
Reduced barometer, 30.05 a. m. 30.05 p. m.

River gage, 3.8 ft.

THERMOGRAPH.



BAROGRAPH.



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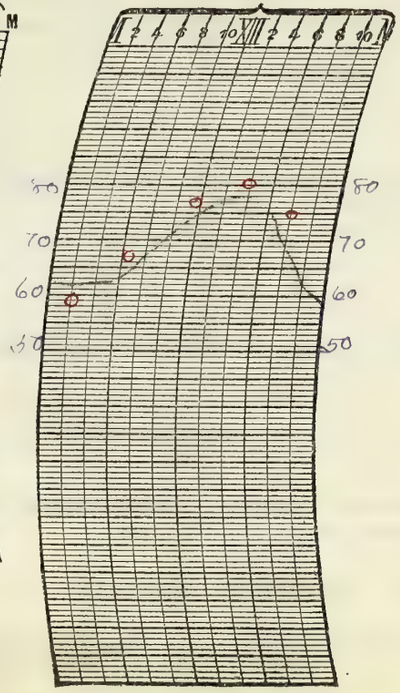


NOTES.

Prepared by J.H.C.

Verified by C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 28 1916, 191

Time (local standard), 75 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	55	53	54	54	57	59	62	64	66	69	70	72	73	75	74	74	73	73	71	68	66	66	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			←					Clear									Clear							→
Sunrise: Time, Character,	4.11		Clear																		Sunset: Time, Character,			
Sunshine (in tenths of hours)					.82 0	0.8 0.2	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.5	1.0 0	.28 0	7.17 Clear			
Wind direction	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	NE	E	E	E	SE	SE
Wind movement	7	6	6	6	6	6	8	7	6	6	6	6	6	7	8	7	6	6	4	1	5	4	4	4
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	57	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10)

Actual sunshine, hours, 14.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 97

Prevailing direction NE

Total movement, 138

Average hourly velocity, 5.8

Maximum velocity,	Direction,	Time.
10	NE	Began 2.35 P.M.

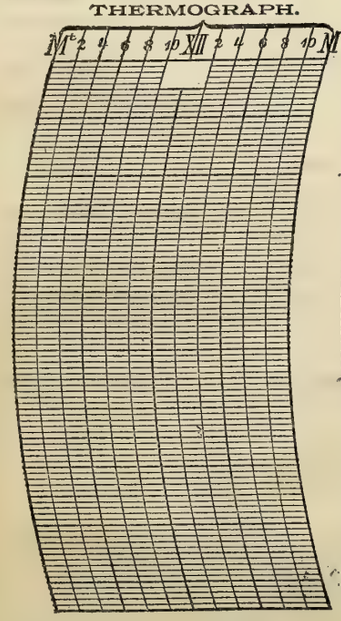
Extreme velocity, 10 NE 2.35 P.M.

Relative humidity, 83 a. m. 63 p. m.

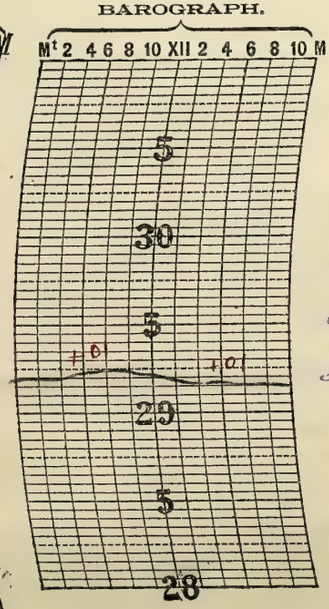
Reduced barometer, 30.17 a. m. 30.08 p. m.

River gage, 3.5 ft.

THERMOGRAPH.



BAROGRAPH.



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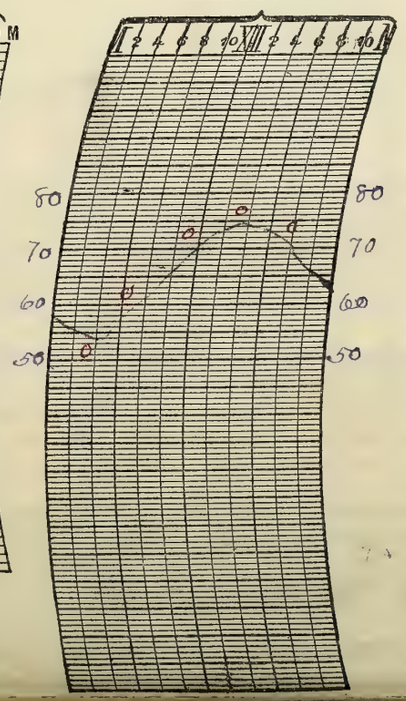


NOTES.

Prepared by J.T.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUN 29 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	63	62	61	60	57	58	63	68	72	75	78	80	80	82	81	80	80	80	78	76	74	71	69	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←		Cloudy									Cloudy								
Sunrise: Time, 4 11; Character, Cloudy																					Sunset: Time, 7 17; Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0	0				
Wind direction	SE	SE	SE	N	E	NE	E	E	S	SW	SW	W	NW	N	N	E	E	E	E	E	E	E	E	E
Wind movement	2	3	4	3	4	3	2	2	5	6	7	7	5	4	5	5	6	4	5	5	3	5	6	6
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

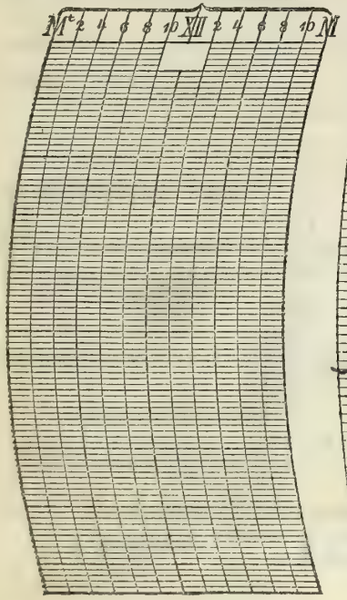
Maximum.	Minimum.	Mean.	Normal.
82	57	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10) 8
Actual sunshine, hours, 8.5
Possible sunshine, hours, 15.1
Percentage of possible sunshine, 56
Prevailing direction E
Total movement, 107
Average hourly velocity, 4.5

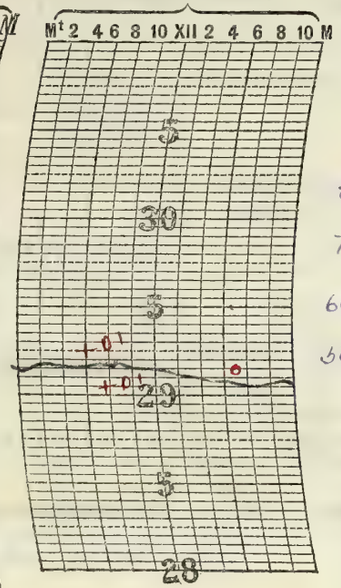
Maximum velocity,	Direction,	Time.
10	SW	Began 10 17 A. M.
Extreme velocity, 10	SW	10 17 A. M.

Relative humidity, 92 a. m. 63 p. m.
Reduced barometer, 30.04 a. m. 29.98 p. m.
River gage, 3.2 ft

THERMOGRAPH.



BAROGRAPH.



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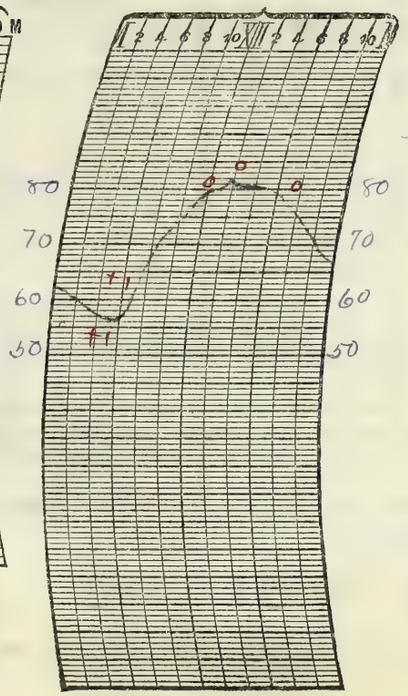


NOTES.

Cu. St. clouds prevailed during the day.

Prepared by J.H.R.
Verified by P.M.

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 30 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	64	63	62	62	65	65	68	70	73	75	78	75	76	76	77	76	74	72	70	68	66	65
State of weather. Nature of precipitation and time of beginning and ending	RB 12.16				RE DN			RB 7.25	RE 8.15															
Amounts of precipitation	T	.07	.02	.03	T			T	T															
Cloudiness and other conditions							Cloudy								Cloudy									
Sunshine (in tenths of hours)					0	0	0	0	0.4	0.9	0.9	0.9	0.4	0.7	0.7	1.0	0.4	0	0	0				
Wind direction	SE	E	E	NE	E	E	NE	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E
Wind movement	6	5	3	8	3	4	6	6	4	6	6	5	7	11	11	11	10	8	7	10	10	9	8	5
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4.12 Character, Cloudy

Sunset: Time, 7.17 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
78	62	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .12 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .12 inches.

Character of day, Cloudy Moon phase, Full Moon 11

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 3.5

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 36

Prevailing direction NE

Total movement, 173

Average hourly velocity, 7.2

Maximum velocity,	Direction,	Time.
14	NE	Began 1.30 PM

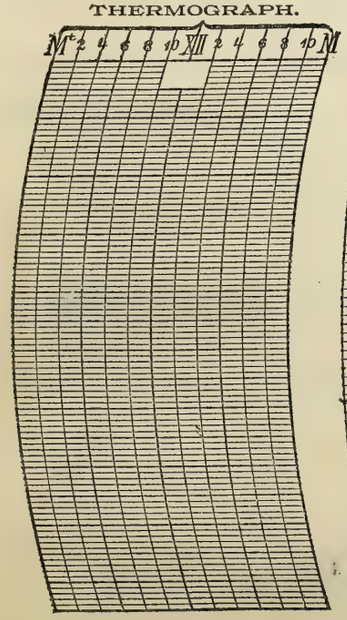
Extreme velocity, 14 NE 1.30 PM

Relative humidity, 92 a. m. 80 p. m.

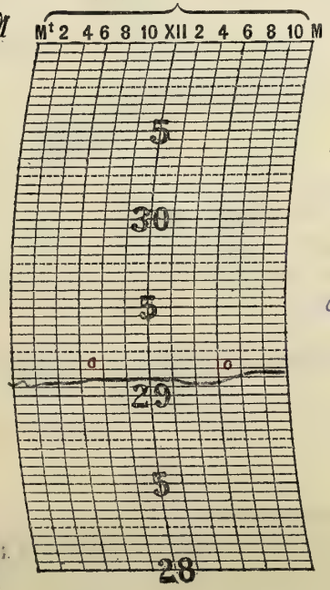
Reduced barometer, 30.02 a. m. 29.49 p. m.

River gage, 3.1 ft

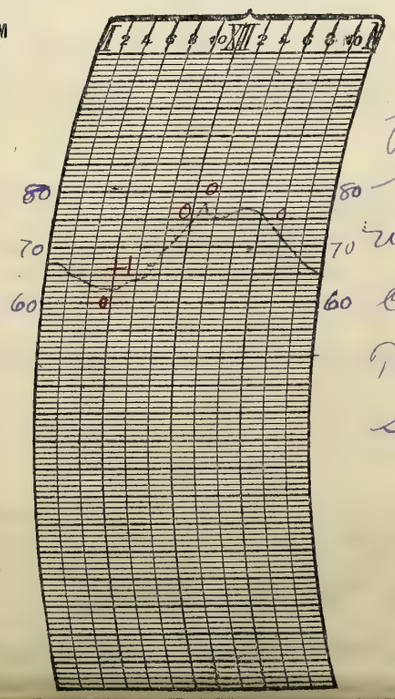
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A moderate thunderstorm passed over the station during the early morning, and thunder was heard from 12.30 P.M. to 12.50 A.M. Ci. St. Clouds prevailed during the afternoon. The afternoon and evening were rather sultry.

Prepared by J.H.T.C.

Verified by P.M.G.

8—498

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 1 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	63	63	62	61	62	64	68	71	75	77	79	81	82	83	84	83	82	80	79	76	75	74	72
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Cloudy				Clear					
Sunshine (in tenths of hours)	Sunrise: Time, 4.12; Character, Clear				.80	1.0	0.9						1.0	1.0	0.5	1.0	1.0	1.0	1.0	.28	Sunset: Time, 7.17; Character, Clear			
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	SE	SE
Wind movement	6	8	10	9	7	7	8	6	6	7	8	9	8	6	7	6	7	6	5	4	5	4	4	4

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
84	61	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 1.

Actual sunshine, hours, 14.6

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 97

Prevailing direction NE

Total movement, 151

Average hourly velocity, 6.5

Maximum velocity,	Direction,	Time.
11	NE	Began 3.12 A.M.

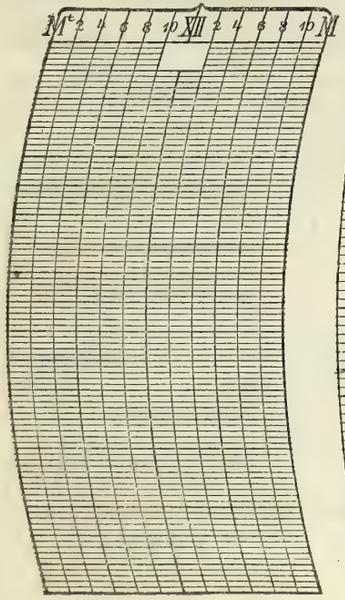
Extreme velocity, 11 NE 3.12 A.M.

Relative humidity, 62 a. m., 61 p. m.

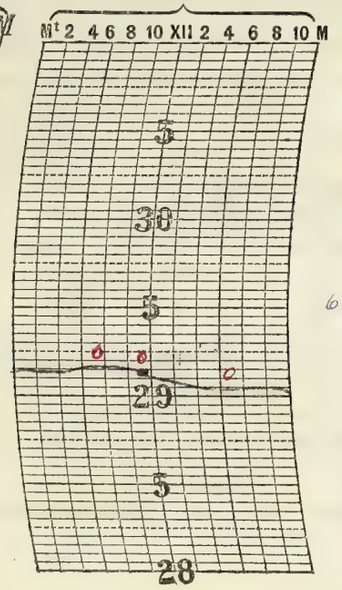
Reduced barometer, 30.05 a. m., 29.96 p. m.

River gage,

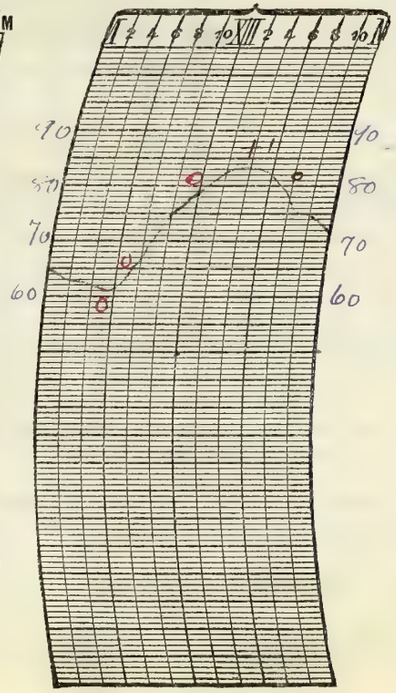
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES. + Gage out of order.

The afternoon and evening were rather warm and sultry

Prepared by J. H.

Verified by P. M.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 2 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	68	67	66	65	65	72	75	80	84	86	87	89	84	85	82	83	79	76	75	74	73	71	69
State of weather: Nature of precipitation and time of beginning and ending														RB 1.15 RE 1.50				RB 5.20 RE 5.55						
Amounts of precipitation														T				T						
Cloudiness and other conditions							Clear							Cldy	Clr	Cldy		Clear						
Sunshine (in tenths of hours)					0	0	0.4	1.0	1.0	1.0	1.0	1.0	0.9	0	0.5	0.4	0.7	0	0	0				
Wind direction	SE	SE	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	NW	NW	W	NW	NW	NW
Wind movement	3	4	5	6	6	8	9	10	10	11	15	15	15	14	12	15	12	11	9	6	4	6	7	4

Sunrise: Time, 4.13 Character, Clear

Sunset: Time, 7.17 Character, Clear

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
89	65	77	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2.5

Actual sunshine, hours, 11.1

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 77

Prevailing direction SW

Total movement, 217

Average hourly velocity, 9.0

Maximum velocity, 20 Direction, SW Time. Began 3.33 PM

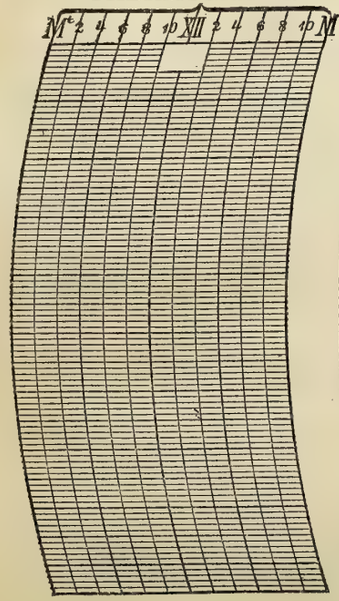
Extreme velocity, 20 SW 3.33 PM.

Relative humidity, 78 a. m. 73 p. m.

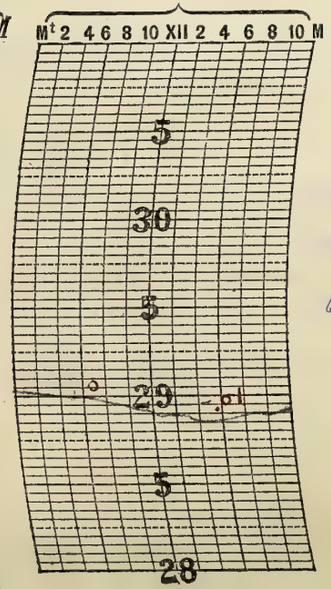
Reduced barometer, 29.88 a. m. 29.75 p. m.

River gage, —

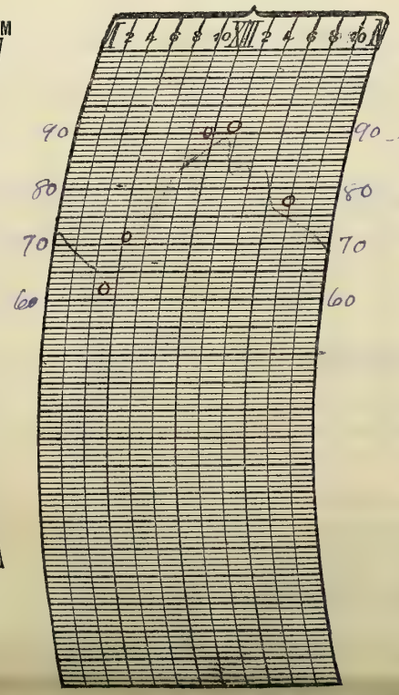
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light thundershowers passed over the station during the afternoon. The first from 1.15 P.M. to 1.50 P.M. and the second from 5.20 P.M. to 5.55 P.M. The forenoon was rather hot.

Prepared by J.H.C.

Verified by P.M.C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 3 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	66	64	63	62	62	64	65	67	69	71	75	75	76	77	76	75	74	73	71	69	67	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				← Cloudy				×	Pt Cloudy									×	Cloudy					→
Sunshine (in tenths of hours)					0	0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5	0.9	0.7	0	0	0				
Wind direction	NW	NW	NW	NW	NW	NW	N	N	N	N	NW	N	NW	N	N	N	N	NE	NE	NE	NE	NE	N	N
Wind movement	5	4	5	6	5	8	7	6	9	10	7	10	10	10	10	10	12	13	8	5	3	1	3	5
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4.13 Character, Cloudy

Sunset: Time, 7.17 Character, Cloudy

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
77	62	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 9.1

Possible sunshine, hours, 15.1

Percentage of possible sunshine, 60

Prevailing direction N

Total movement, 174

Average hourly velocity, 7.2

Maximum velocity, 15 Direction, NE Time. Began 5.19 P.M.

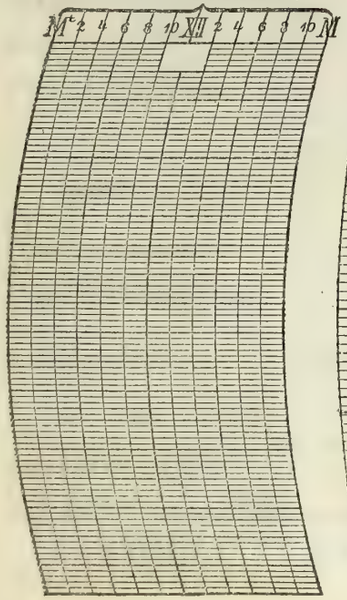
Extreme velocity, 16 NE 5.19 P.M.

Relative humidity, 82 a. m. 65 p. m.

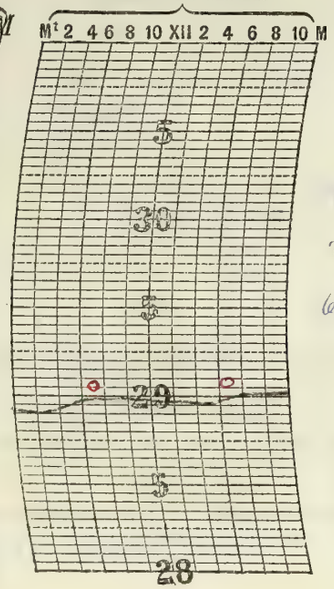
Reduced barometer, 29.89 a. m. 29.84 p. m.

River gage,

THERMOGRAPH.



BAROGRAPH.



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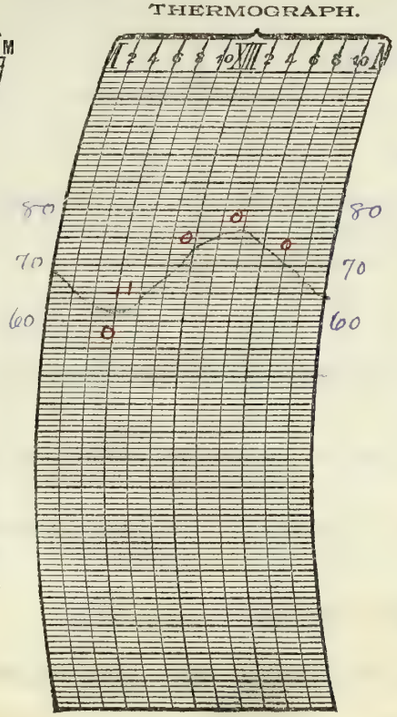


NOTES.

Mostly Ci. St. Clouds prevailed during the day.

Prepared by J.H.S.

Verified by C.M.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 4 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	65	62	60	60	60	63	66	73	75	78	80	80	82	82	83	84	83	82	81	77	75	70	69	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				Clear											Clear									
Sunshine (in tenths of hours)					0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0	0				
Wind direction	N	N	N	N	N	N	N	NE	NE	NE	NE	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N
Wind movement	3	3	2	3	3	2	5	6	9	9	10	9	9	8	7	6	6	5	4	5	5	6	4	4

Sunrise: Time, 4.14 Character, Clear

Sunset: Time, 7.16 Character, Clear

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
84	60	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 15.0

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 100

Prevailing direction NE

Total movement, 133

Average hourly velocity, 5.5

Maximum velocity, 14 Direction, N Time. Began 10.47 A.M.

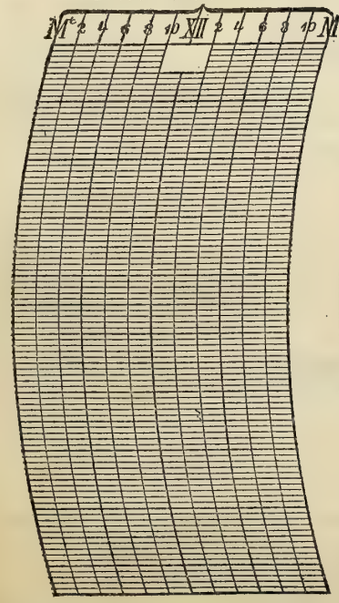
Extreme velocity, 15 – N 10.47 A.M.

Relative humidity, 76 a. m. 42 p. m.

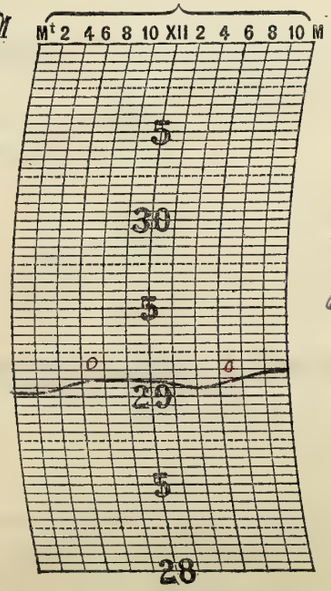
Reduced barometer, 30.00 a. m. 29.99 p. m.

River gage, —

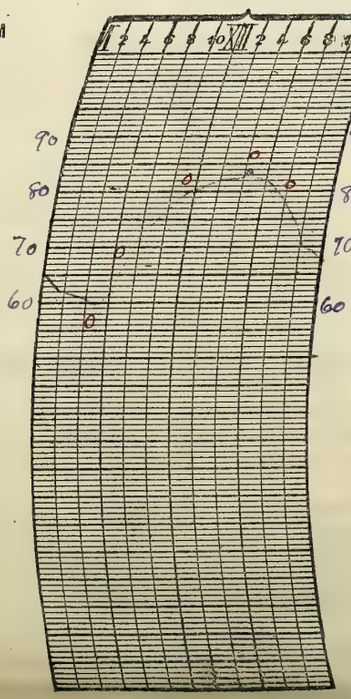
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some St. Cu. clouds prevailed during the middle of the day and evening. The weather during the day was ideal.

Prepared by J.H.C.
Verified by Porter.

8—426

Form No. 1012—Ext. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 5 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	65	64	63	63	66	70	75	78	80	81	81	82	83	84	82	81	80	78	74	72	70	70	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear										Clear							
Sunshine (in tenths of hours)	Sunrise: Time, 4.15 Character, Clear				.75 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	1.0 0	.27 0	Sunset: Time, 7.16 Character, Clear			
Wind direction	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E
Wind movement	5	6	4	6	4	5	4	5	7	6	10	9	9	9	9	10	10	8	6	6	7	7	6	5
Maximum velocities (exceeding 25 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
84	63	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 13.0

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 100

Prevailing direction NE

Total movement, 163

Average hourly velocity, 6.8

Maximum velocity, 13 Direction, NE Time. Began 3.52 PM

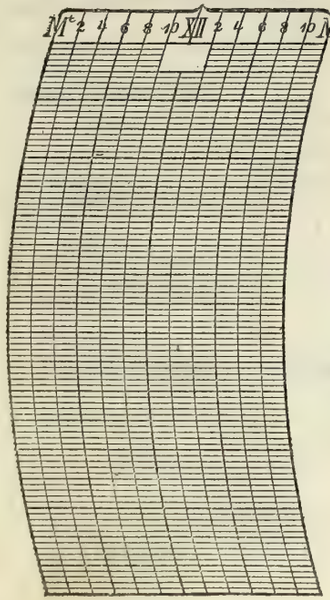
Extreme velocity, 13 NE 3.52 PM

Relative humidity, 64 a. m. 45 p. m.

Reduced barometer, 30.12 a. m. 30.15 p. m.

River gage, —

THERMOGRAPH.



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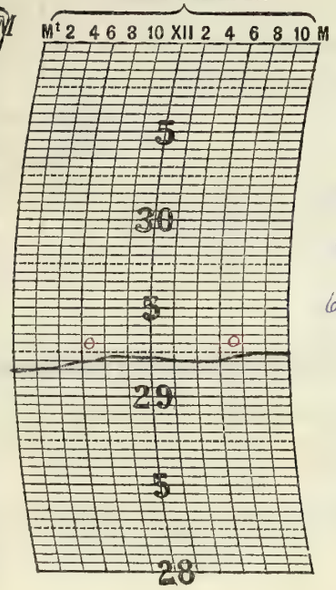

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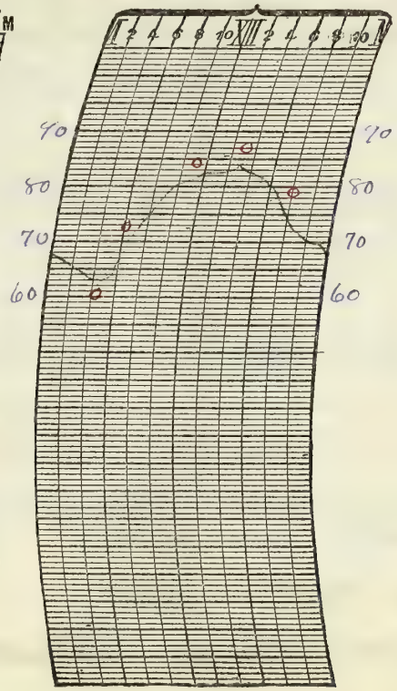


NOTES.

Prepared by J.H.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 6 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	64	62	61	60	65	68	74	77	80	81	82	83	84	85	85	84	84	82	78	76	75	72	71
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear										Clear								
Sunshine (in tenths of hours)					.75 0	.08 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	1.0 0	2.7 0				
Wind direction	E	E	E	E	E	NE	NE	NE	SE	E	E	E	E	E	E	E	E	E	E	NE	NE	NE	E	E
Wind movement	3	2	2	2	3	3	4	3	4	5	7	7	7	7	7	5	4	5	3	4	4	4	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.15; Character, Clear

Sunset: Time, 7.16; Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
85	60	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 15.0

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 100

Prevailing direction E

Total movement, 106

Average hourly velocity, 4.4

Maximum velocity, 10 Direction, NE Time. Began 11.33 A.M.

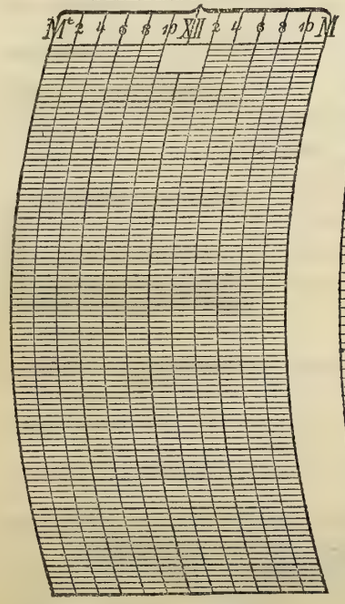
Extreme velocity, 10 NE 11.33 A.M.

Relative humidity, 69 a. m. 40 p. m.

Reduced barometer, 30.25 a. m. 30.14 p. m.

River gage,

THERMOGRAPH.



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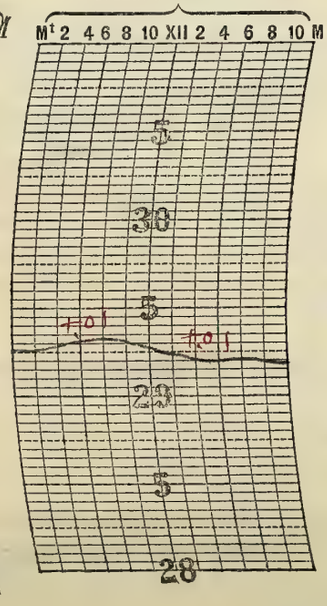

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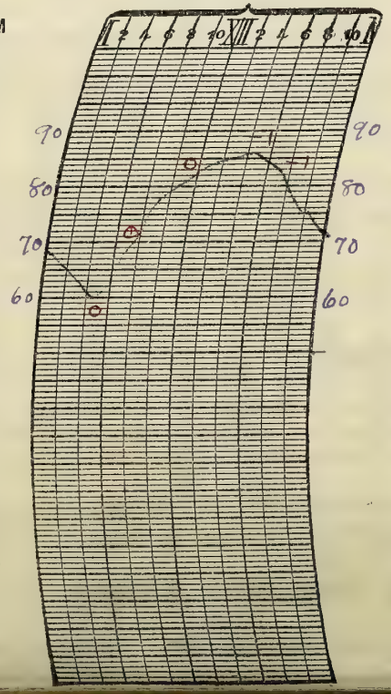


NOTES.

The sky was cloudless from sunrise to sunset.

Prepared by H.F.C.

Verified by P.M.S.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 7 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	66	64	62	65	69	77	82	84	84	84	87	86	87	86	86	85	84	81	76	76	75	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunshine (in tenths of hours)		✓			0	0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0	0		✓		
Wind direction	E	E	O	E	E	E	E	SE	NE	SE	NE	NE	E	E	NE	NE	NE	NE	NE	NE	NE	N	N	N
Wind movement	4	1	0	1	2	1	3	2	2	4	5	5	4	4	4	5	5	4	3	2	2	3	1	1
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4.16; Character, Clear

Sunset: Time, 7.16; Character, Clear

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	87	62	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 15.0

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 100

Prevailing direction E, NE

Total movement, 68

Average hourly velocity, 2.8

Maximum velocity, 10 Direction, NE Time, Began 10.45 AM

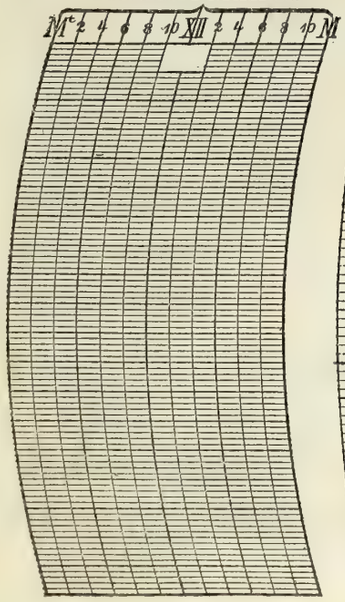
Extreme velocity, 10 - NE - 10.45 AM.

Relative humidity, 68 a. m. 38 p. m.

Reduced barometer, 30.12 a. m. 30.03 p. m.

River gage,

THERMOGRAPH.



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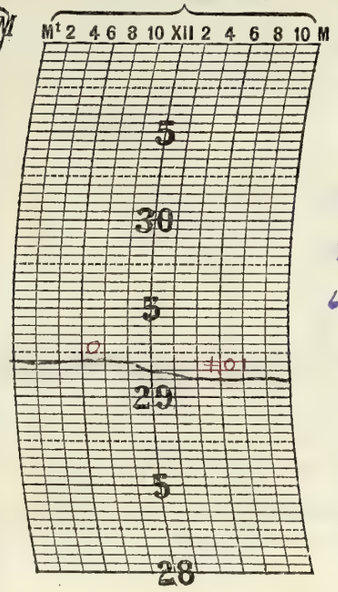

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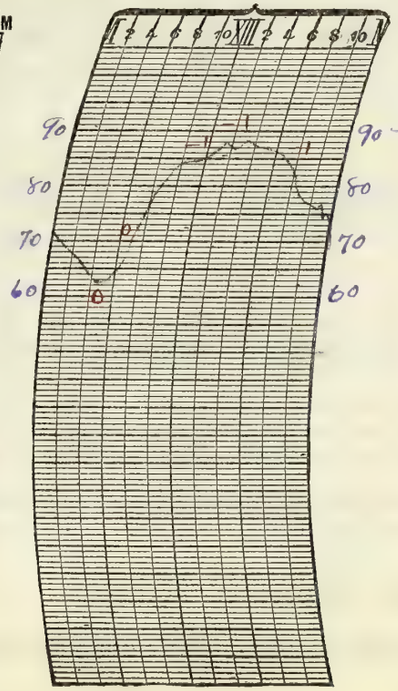


NOTES.

The sky was cloudless from sunrise to sunset.

Prepared by JHS

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], Ind., (Day of week) Saturday, (Date) JUL 8 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	68	68	67	63	64	72	76	80	84	86	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunrise: Time, 4.16 Character, Clear					73	1.0	0.9					
Sunshine (in tenths of hours)		1			0	0	0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	O	O	NE	NE	NE	N	NW	N	NE	NE
Wind movement	2	2	0	0	1	3	1	4	2	4	5	5
Maximum velocities (exceeding 21.9 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	88	89	88	87	86	83	81	77	73	68	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			*Cldy*				Clear					→
Sunset: Time, 7.15 Character, Cloudy												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	1.0	0.3	0	0				
Wind direction	NE	NW	N	N	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	6	6	6	8	8	6	6	13	13	14	14
Maximum velocities (exceeding 21.9 miles) direction and time												

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
84	63	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, First Quarter

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 12.8

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 85

Prevailing direction NE

Total movement, 135

Average hourly velocity, 5.6

Maximum velocity, 18 Direction, NE Time. Began 11.13 P.M.

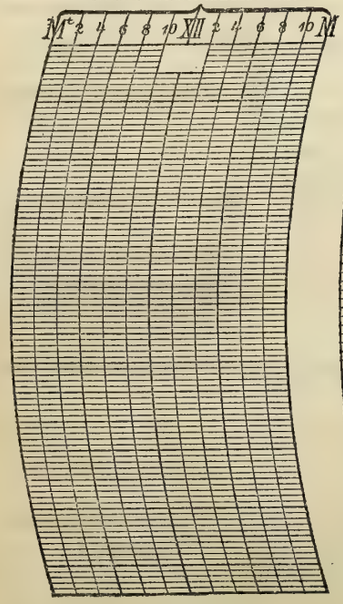
Extreme velocity, 18 NE 11.13 P.M.

Relative humidity, 68 a. m. 51 p. m.

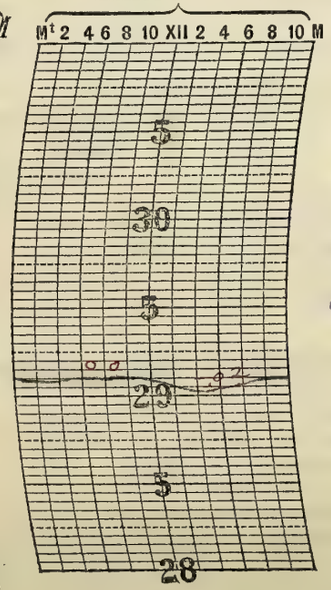
Reduced barometer, 30.00 a. m. 29.92 p. m.

River gage, —

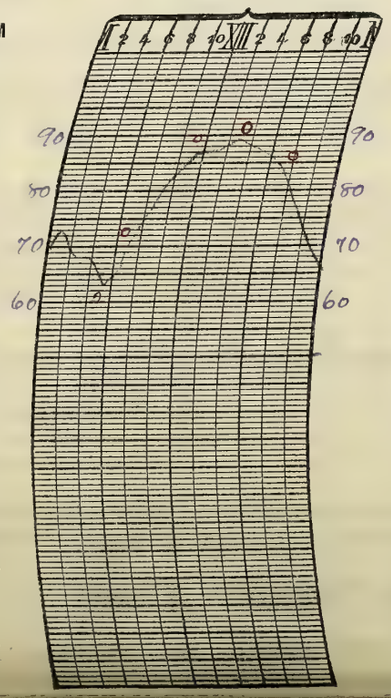
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cl. Clouds prevailed during the afternoon and part of the forenoon.

Prepared by HTC.
Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Worth, Tex., (Day of week) Sunday, (Date) JUL 9 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	65	63	62	60	59	58	62	63	67	72	74	76	77	77	79	78	77	76	75	72	70	68	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Cldy												× Pt Cloudy						× Clear					→
Sunshine (in tenths of hours)					0	0	0	0	0.6	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.6	0.8 0.1	1.0 0	.25 0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE	NE	NE	NE	NE
Wind movement	12	13	12	10	9	11	12	10	11	12	12	13	15	17	14	13	11	11	9	7	7	10	7	8

Sunrise: Time, 4.17 Character, Cloudy

Sunset: Time, 7.15 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
79	58	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 10.0

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 67

Prevailing direction NE

Total movement, 266

Average hourly velocity, 11.1

Maximum velocity,	Direction,	Time.
20	NE	Began 1.33 PM

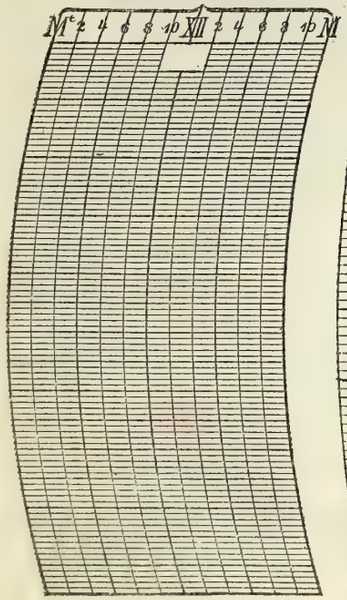
Extreme velocity, 20 – NE – 1.33 PM.

Relative humidity, 88 a. m., 68 p. m.

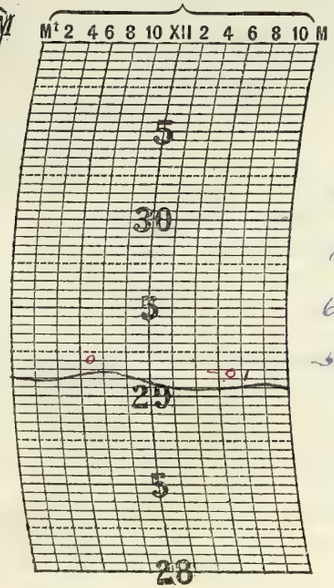
Reduced barometer, 30.02 a. m., 29.95 p. m.

River gage,

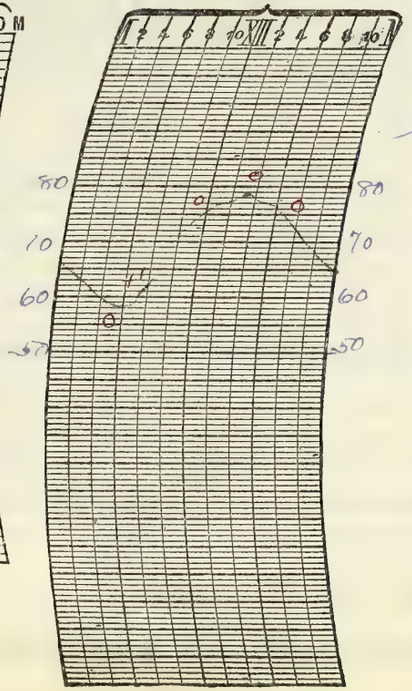
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. and St. Cu. clouds prevailed during the day.

Prepared by H.T.C.

Verified by C.M.S.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 10 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	62	61	60	61	63	68	71	75	77	79	81	83	84	84	84	82	81	78	76	75	72	72
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				Cldy				P.C.		Clear				Pt. Cldy					Clear					
Sunrise: Time, 4:18 Character, Cloudy																					Sunset: Time, 7:15 Character, Clear			
Sunshine (in tenths of hours)					0	0	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.8 0.2	1.0 0	2.5 0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NW	NW	NW	NW	E	NE
Wind movement	9	10	9	9	8	8	9	9	10	6	8	9	10	10	9	8	8	8	6	6	5	6	6	6
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
84	60	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy, Moon phase,

Average daily cloudiness (0-10)

Actual sunshine, hours, 11.6

Possible sunshine, hours, 15.0

Percentage of possible sunshine, 77

Prevailing direction NE

Total movement, 192

Average hourly velocity, 8.0

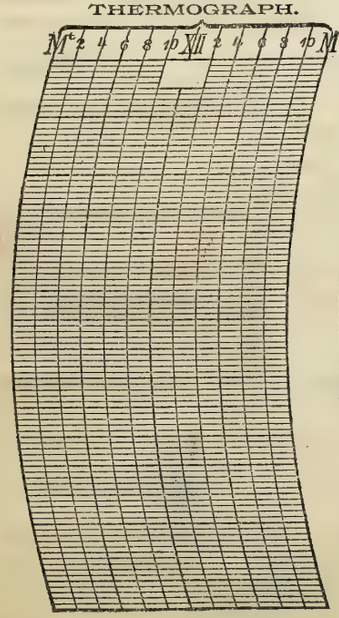
Maximum velocity,	Direction,	Time.
14	NE	Began 2:06 P.M.
Extreme velocity, 14	NE	2:06 P.M.

Relative humidity, 77 a. m., 62 p. m.

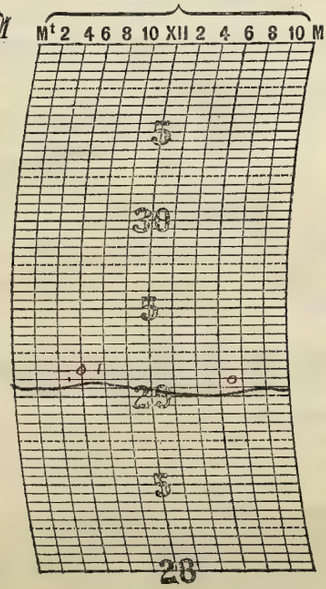
Reduced barometer, 29.97 a. m., 29.92 p. m.

River gage,

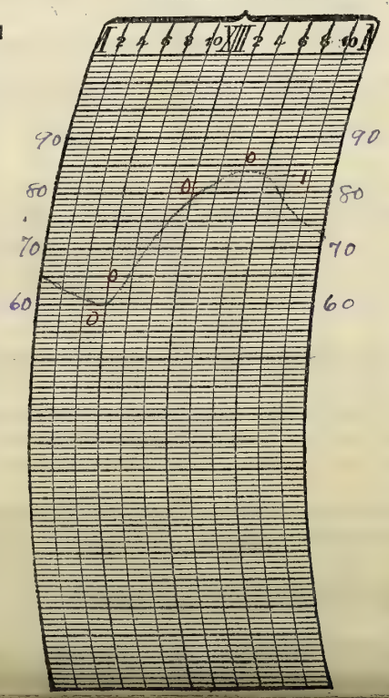
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.P.C.

Verified by P.M.C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 11 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	70	69	68	67	69	74	79	83	85	87	87	90	91	93	92	91	90	85	84	81	79	78	76
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear					×	Pt.	Cloudy					×		Clear					
Sunshine (in tenths of hours)					.70 / 0	1.0 / 0	0.3 / 0.7	1.0	1.0	1.0	1.0	0.4	1.0	1.0	1.0	1.0	0.6	0.3 / 0.4	1.0 / 0	.23 / 0		1		
Wind direction	NE	NE	NE	NE	NE	NE	E	NE	NE	NE	NE	E	SE	SE	E	SE	SE	SE	S	S	S	S	S	S
Wind movement	6	6	6	6	5	5	5	3	5	6	6	5	4	5	5	6	4	7	7	7	8	8	7	7

Sunrise: Time, 4.11; Character, Clear

Sunset: Time, 7.11; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
93	67	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy; Moon phase,

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 13.8

Possible sunshine, hours, 14.9

Percentage of possible sunshine, 93

Prevailing direction NE

Total movement, 141

Average hourly velocity, 5.7

Maximum velocity, 12; Direction, S; Time. Began 10.40 P.

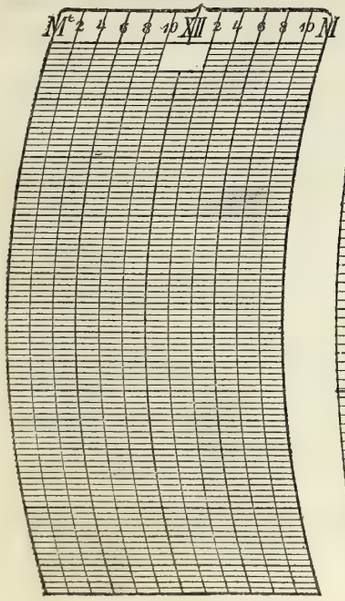
Extreme velocity, 12 - S - 10.40

Relative humidity, 81 a. m., 57 p. m.

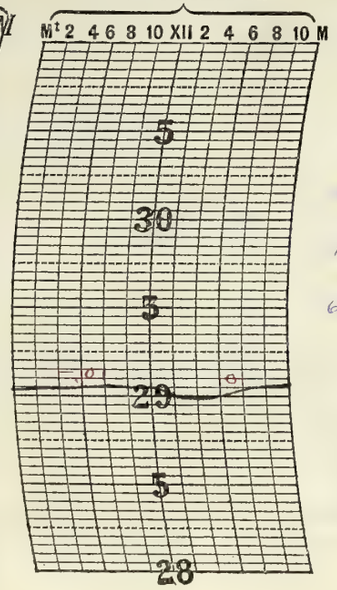
Reduced barometer, 29.94 a. m., 29.84 p. m.

River gage, 2.2 ft.

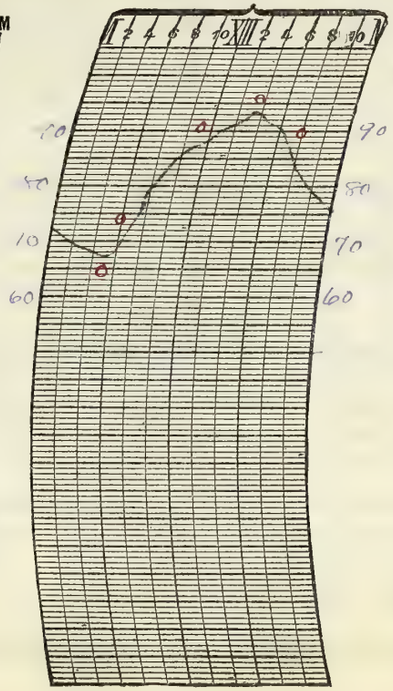
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cu clouds prevailed after 8.30 A.M.

Prepared by J.H.S.

Verified by C.M.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 12 1916, 191

Time (local standard), 75 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	73	72	71	71	72	74	78	80	82	85	86	87	87	88	89	86	85	84	81	79	77	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←	Clear	×			Pt	Cloudy						×		Cloudy						→
Sunrise: Time, 4.19 Character, Clear																								
Sunset: Time, 7.14 Character, Cloudy																								
Sunshine (in tenths of hours)					0	0	0.6	1.0	0.3	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.3	0	0	0				
Wind direction	SW	S	SW	SW	S	S	S	SW	SW	SW	S	S	S	S	S	S	S	SW	SW	SW	SW	S	SW	SW
Wind movement	8	9	7	7	5	7	9	8	7	9	7	9	9	8	8	6	10	6	5	4	2	7	7	8
Maximum velocities (exceeding 7 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	✓ Normal.
89	71	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 7.3

Possible sunshine, hours, 14.4

Percentage of possible sunshine, 50

Prevailing direction SW

Total movement, 172

Average hourly velocity, 7.2

Maximum velocity,	Direction,	Time.
12	SW	Began 1.18 PM

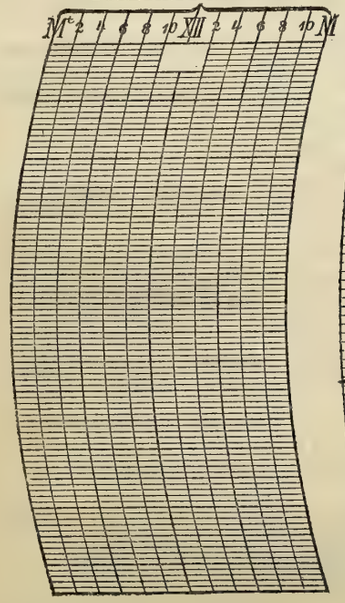
Extreme velocity, 12 SW 1.18 PM

Relative humidity, 85 a. m. 63 p. m.

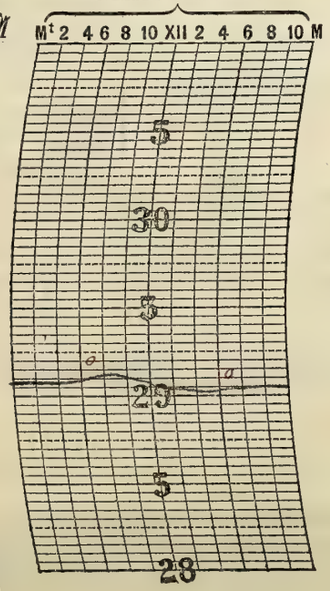
Reduced barometer, 29.99 a. m. 29.92 p. m.

River gage, 2.2 ft

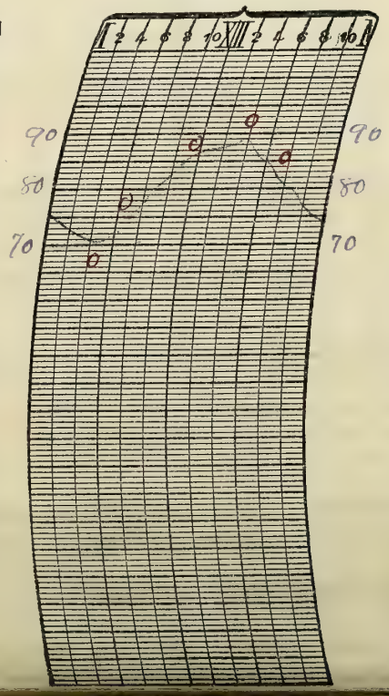
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.H.T.C.

Verified by P.M.E.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 13 1916, 191

Time (local standard), 75 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	70	69	70	73	78	82	85	86	87	89 70	72	73	73	72	72	72	71	70	69	69	68
State of weather: Nature of precipitation and time of beginning and ending														RB 1.00	RE 3.00			RB 5.45		RE 7.20				
Amounts of precipitation														.63	.02			T	.04	.01				
Cloudiness and other conditions					←	Clear						→		←	Cloudy					→				
Sunshine (in tenths of hours)					.67	1.0	0.8																	
		1			0	0	0.2	1.0	1.0	1.0	0.6	0.7	0.6	0	0	0	0	0	0	0		1		
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	SE	N	SE	SE	S	W	NW	NE	N	NE	NE	NE
Wind movement	7	8	7	6	7	5	8	4	6	6	5	5	7	14	4	6	3	5	4	9	3	3	2	3
Maximum velocities (exceeding 29 miles) direction and time														40 NE 1.12										

Sunrise: Time, 4.20; Character, Clear

Sunset: Time, 7.13; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts 1:00 P	3:00 P	.65	1:06 P	1:33 P	.01	.07	.30	.39	.46	.53	.57								

	Maximum.	Minimum.	Mean.	Normal.
	89	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .68 ins.

Total precipitation, midnight to midnight, .70 inches.

Character of day, Partly Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 7.6

Possible sunshine, hours, 14.9

Percentage of possible sunshine, 51

Prevailing direction SW

Total movement, 146

Average hourly velocity, 6.1

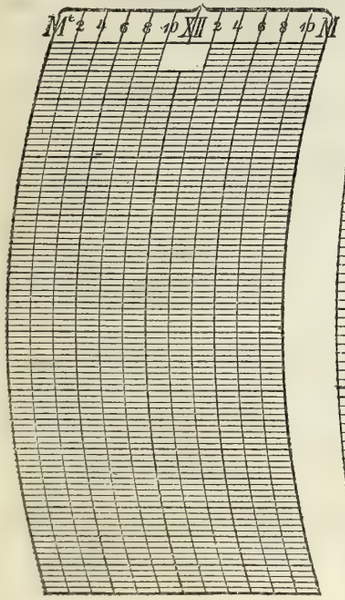
Maximum velocity,	Direction,	Time.
40	NE	Began 1:12 P.M.
Extreme velocity, 40	NE	[illegible]

Relative humidity, 86 a. m., 95 p. m.

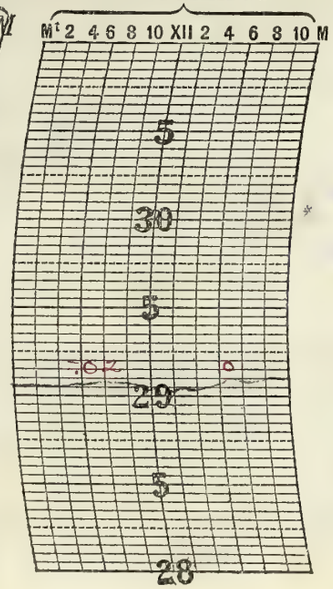
Reduced barometer, 29.93 a. m., 30.00 p. m.

River gage, 2.1 ft

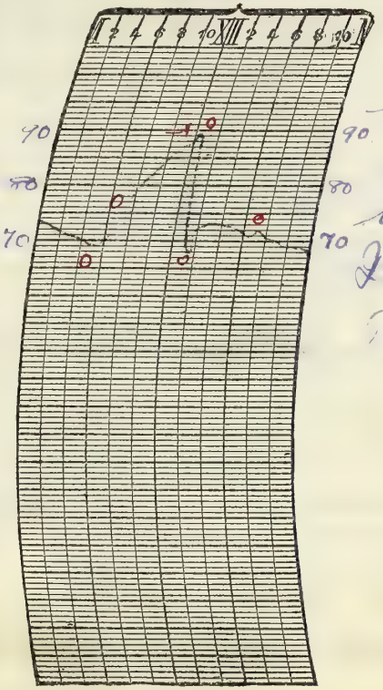
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm accompanied by strong, gusty winds and severe thunder and lightning passed over the station from 1:00 P.M. to 2:00 P.M. It was rather dark from 1:00 P.M. to 1:[illegible] P.M. The storm came from the west.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Worth, Tex., (Day of week) Wednesday, (Date) JUL 12 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	72	72	72	71	71	72	74	78	80	82	85	86	87	87	88	89	86	85	84	81	79	77	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←	Clear	×			Pt	Cloudy						×			Cloudy					→
Sunshine (in tenths of hours)					0	0	0.6	1.0	0.3	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.3	0	0	0				
Wind direction	SW	S	SW	SW	S	S	S	SW	SW	SW	S	S	S	S	S	S	S	SW	SW	SW	SW	S	SW	SW
Wind movement	8	9	7	7	5	7	9	8	7	9	7	9	9	8	8	6	10	6	5	4	2	7	7	8
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 4.19 Character, Clear

Sunset: Time, 7.14 Character, Cloudy

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	✓ Normal.
89	71	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 6.

Actual sunshine, hours,

Possible sunshine, hours, 14.4

Percentage of possible sunshine,

Prevailing direction SW

Total movement, 172

Average hourly velocity, 7.2

Maximum velocity,	Direction,	Time.
12	SW	Began 1.18 PM

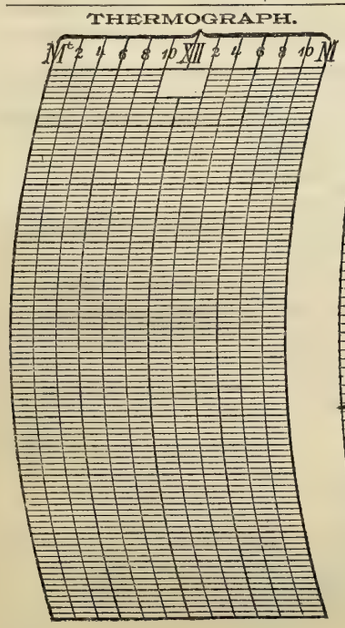
Extreme velocity, 12 SW 1.18 PM

Relative humidity, 85 a. m., 63 p. m.

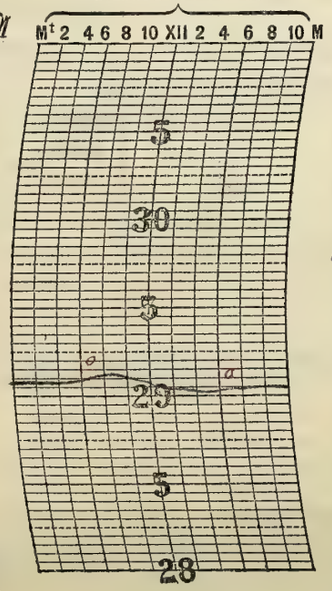
Reduced barometer, 29.44 a. m., 29.40 p. m.

River gage, 2.2 ft.

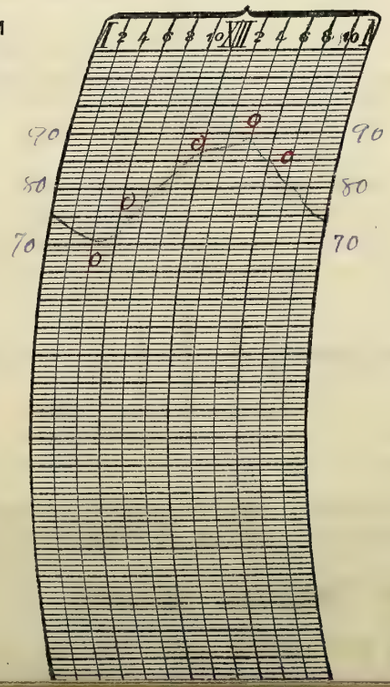
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.T.C.

Verified by P.M.G.D.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 13 1916, 191

Time (local standard), 75 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	71	70	69	70	73	78	82	85	86	87	89 70	68 72	73	73	72	72	72	71	70	69	69	68
State of weather: Nature of precipitation and time of beginning and ending														RB 1.00	RE 3.00			RB 5.45		RE 7.20				
Amounts of precipitation														.63	.02			T	.04	.01				
Cloudiness and other conditions					← Clear										Cloudy									→

Sunrise: Time, 4.20 Character, Clear

Sunset: Time, 7.13 Character, Cloudy

	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0.2	1.0	1.0	1.0	0.6	0.7	0.6	0	0	0	0	0	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	SE	N	SE	SE	S	W	NW	NE	N
Wind movement	7	5	8	4	6	6	5	5	7	14	4	6	3	5	4	9	5	5	5	5
Maximum velocities (exceeding 29 miles) direction and time										40 NE 1.12										

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts: 1:00 P	3:00 P	.45	1:06 P	1:33 P	.01	.07	.30	.39	.46	.53	.57								

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
89	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .68 ins.

Total precipitation, midnight to midnight, .70 inches.

Character of day, Partly Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 7.6

Possible sunshine, hours, 14.9

Percentage of possible sunshine, 51

Prevailing direction SW

Total movement, 146

Average hourly velocity, 6.1

Maximum velocity, 40 Direction, NE Time. Began 1.12 P.M.

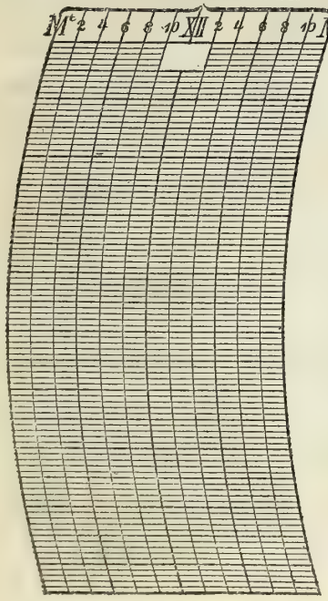
Extreme velocity, 40 NE 1.12 P.M.

Relative humidity, 86 a. m., 95 p. m.

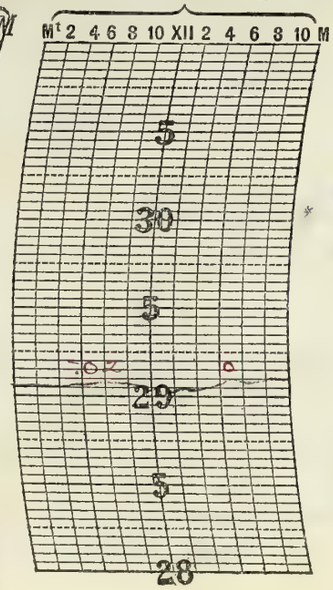
Reduced barometer, 29.93 a. m., 29.80 p. m.

River gage, 2.1 ft.

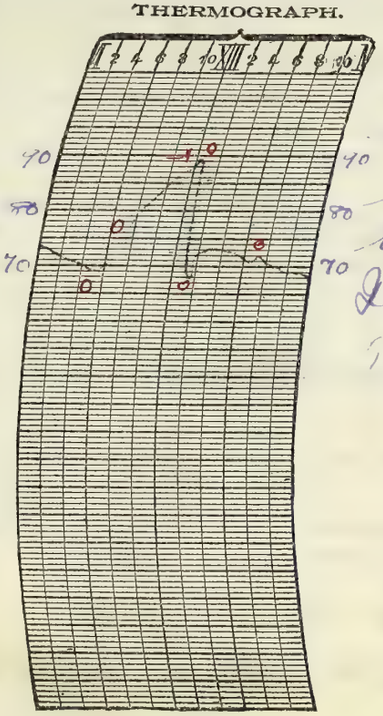
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm accompanied by strong, gusty winds and severe thunder and lightning passed over the station from 1.05 P.M. to 2.00 P.M. It was rather dark from 1.10 P.M. to 1.40 P.M. The storm came from the west.

Prepared by HTS.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 14 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	65	67	67	66	67	69	72	78	81	84	85	86	75	68	70	71	74	74	73	74	75	72	70
State of weather: Nature of precipitation and time of beginning and ending															RF 2:00 RE 2:21 RHNE 2:40 RHNE 2:46 RE 2:56			RE 5:00						
Amounts of precipitation															2.24	.03	.01	T						
Cloudiness and other conditions						Clear					Pt Cldy				Cloudy				Pt Cldy					

Sunrise: Time, 4:21; Character, Clear. Sunset: Time, 7:13; Character, Cloudy.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0	0	0	0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	SE	NE	NE	E	E	NE	NE	E	NE	NE
Wind movement	7	8	7	8	7	8	8	6	7	7	9	10	9	9	15	9	4	1	2	5	8	8	8	7
Maximum velocities (exceeding 7 miles) direction and time															32 SW 2:28									

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts: 2:00 P	5:15 P	2.28	2:21 P	2:56 P	.01	.35	.60	.85	1.04	1.83	2.01	2.21							

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

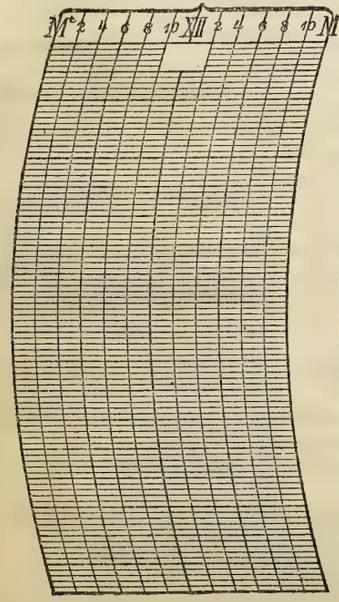
Maximum.	Minimum.	Mean.	Normal.
76	64	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m. 2.28 ins.
Total precipitation, midnight to midnight, 2.28 inches.
Character of day, Pt Cloudy Moon phase, Last Quarter
Average daily cloudiness (0-10) 5.5
Actual sunshine, hours, 7.4
Possible sunshine, hours, 14.9
Percentage of possible sunshine, 50
Prevailing direction NE
Total movement, 177
Average hourly velocity, 7.4

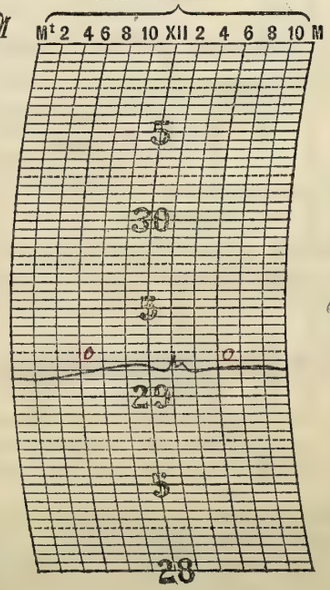
Maximum velocity,	Direction,	Time.
32	SW	Began 2:28 P.M.

Extreme velocity, 36 E 2:41 PM
Relative humidity, 89 a. m. 91 p. m.
Reduced barometer, 30.05 a. m. 30.06 p. m.
River gage, 2.4 ft

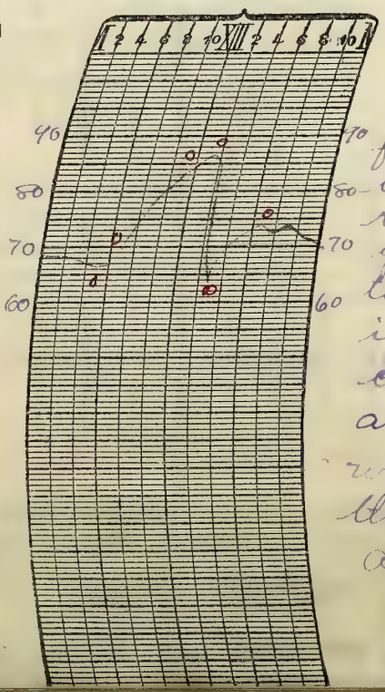
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunder was heard from 1.50 P.M. to 3.30 P.M. The rainfall, accompanying this storm, from 2:21 P. to 2:56 P was the heaviest since the station was established 1911, and from reliable reports it was the heaviest for many years. The rain fell in torrents from 2:21 to 2:56 P.M during which time 2.[illegible] inches of precipitation fell and flooded the streets from curb to curb in many places. The thunder and lightning accompanying the storm was severe. The strong wind attending the storm was somewhat shifty in character. A little hail fell during the storm.

Prepared by [illegible]
Verified by [illegible]

Form No. 1012—Met. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 15 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	69	69	68	68	69	73	80	84	86	88	88	89	91	91	92	91	91	89	85	83	80	78	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				← Clear												Clear								→
Sunshine (in tenths of hours)					0	0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	.20				
Wind direction	M	M	M	M	M	E	E	SE	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	6	8	6	6	5	5	4	4	5	7	5	6	6	5	6	4	5	3	2	7	8	8	5	1
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.21 Character, Cloudy

Sunset: Time, 7.12 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
92	68	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 12.3

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 83

Prevailing direction SE

Total movement, 127

Average hourly velocity, 5.3

Maximum velocity, 11 Direction, SE Time. Began 7.25 P.M.

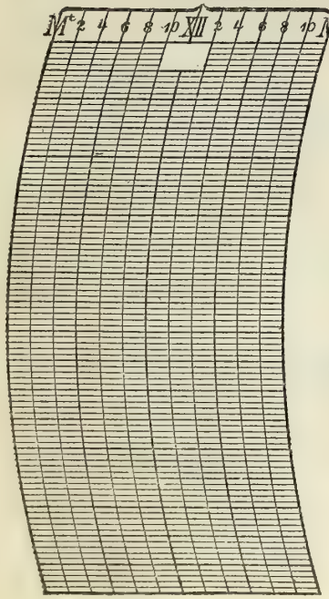
Extreme velocity, 11 SE 7.25 P.M.

Relative humidity, 86 a. m., 56 p. m.

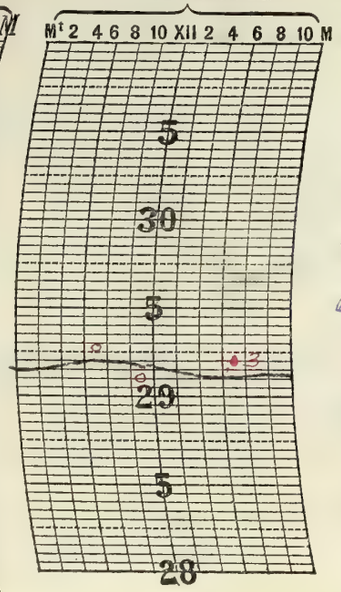
Reduced barometer, 30.09 a. m., 29.98 p. m.

River gage, 2.8 ft.

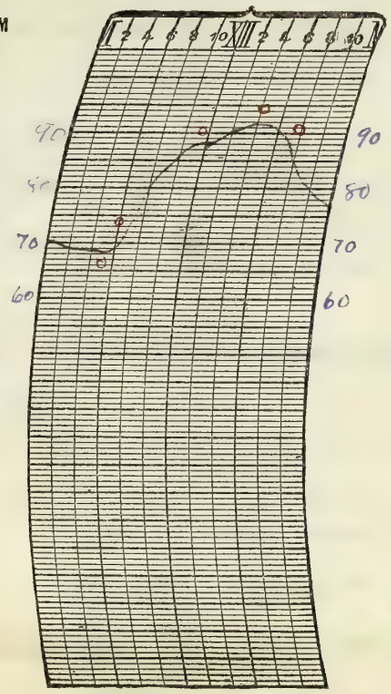
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by W.P.C.

Verified by P.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 16 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	74	72	71	69	71	78	79	80	83	85	87	89	90	92	92	91	88	83	82	81	79	79	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←	Clear								Clear					→ P.C. →		Cloudy			→
Sunrise: Time, Character,	4.22 Clear																							
Sunset: Time, Character,																					7.11 Cloudy			
Sunshine (in tenths of hours)					0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0	0				
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	W	NW	NW	NW	NW	NW	NW	W	W	NW	N	N	SW	SW	NW	NW
Wind movement	3	2	3	2	2	2	1	2	4	5	7	8	7	8	5	7	7	5	4	3	6	3	1	4
Maximum velocities (exceeding 29 miles) direction and time																								

.63 0.8

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
92	67	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 12.4

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 87

Prevailing direction NW.

Total movement, 102

Average hourly velocity, 4.2

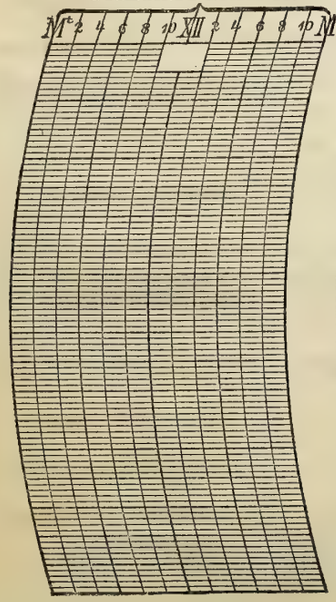
Maximum velocity,	Direction,	Time.
11	W	Began 10.6 P.M.
Extreme velocity, 11	W	10.6 P.M.

Relative humidity, 72 a. m., 72 p. m.

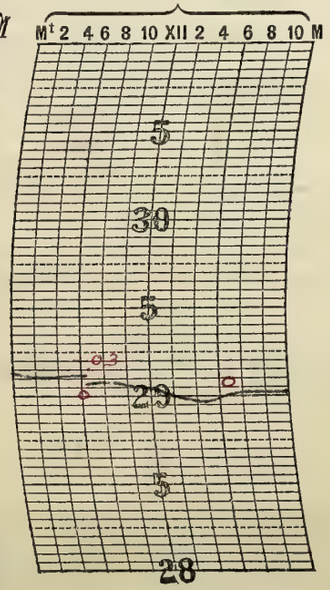
Reduced barometer, 29.97 a. m., 29.89 p. m.

River gage, 2.6 ft.

THERMOGRAPH.



BAROGRAPH.



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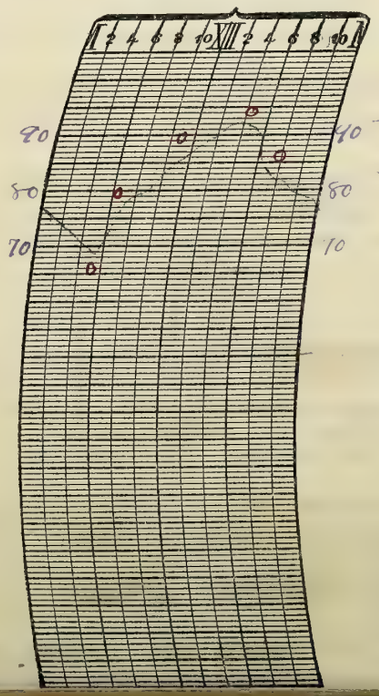


NOTES.

Thunder was heard from 8:00 P.M. to 9:00 P.M. south and southwest of the station

Prepared by H.T.C.

Verified by P.M.F.

FORM NO. 1014—ISSUE 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 17 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	76	74	73	72	71	72	74	77	79	82	84	85	88	90	82	84	87	78	80	81	80	79	77	76
State of weather: Nature of precipitation and time of beginning and ending															RB 2.30 RE 2.45			RB 5.10 RE 5.30						
Amounts of precipitation															T			T						
Cloudiness and other conditions					←	Pt Cloudy				×			Clear		×			Cloudy			→			
Sunrise: Time, 4.23 Character, Cloudy																					Sunset: Time, 7.11 Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	0				
Wind direction	NW	N	N	N	NE	NE	NE	E	NE	NE	E	E	NE	NE	NW	S	S	N	N	NE	E	E	E	E
Wind movement	3	4	5	4	6	5	7	6	7	8	8	7	5	4	6	6	6	6	6	7	6	7	8	9

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
90	71	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 6.8

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 46

Prevailing direction NE

Total movement, 146

Average hourly velocity, 6.1

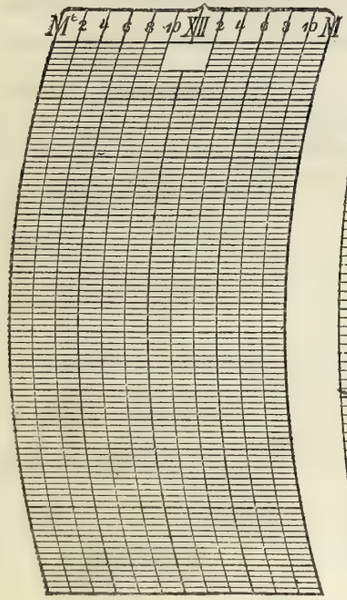
Maximum velocity,	Direction,	Time.
23	N	Began 4.58 PM
Extreme velocity, 24	N	4.58 PM

Relative humidity, 85 a. m. 76 p. m.

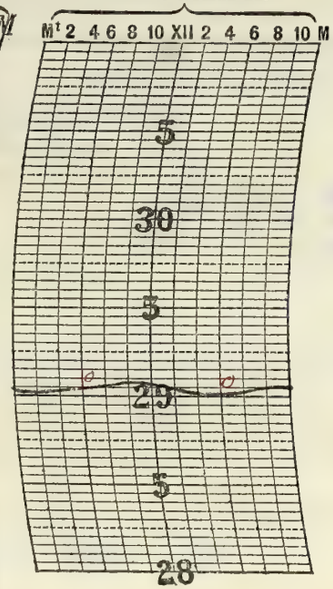
Reduced barometer, 29.94 a. m. 29.94 p. m.

River gage, 2.5 ft

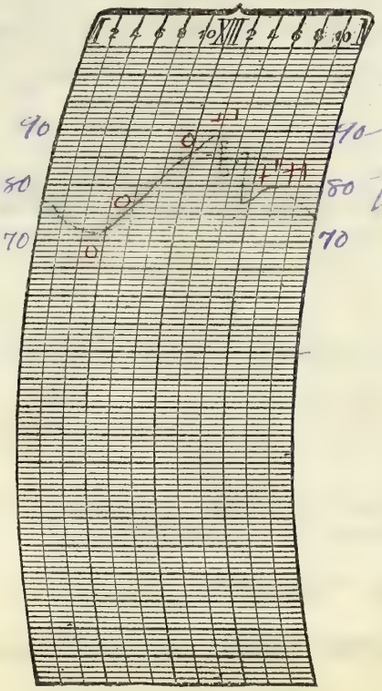
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light thunderstorms passed over the station from 2:15 P.M. to 3:00 P.M. and from 5:10 P.M. to 5:30 P.M.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 18 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	70	69	70	72	75	79	84	86	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				← Cloudy	×	P.C.	×	Clear	×			
Sunrise: Time, Character	4 24 Cloudy											
Sunshine (in tenths of hours)					0	0	0.1	1.0	1.0	1.0	1.0	0.9
Wind direction	NE	NE	NE	NE	NE	E	E	NE	NE	NE	E	E
Wind movement	8	7	6	6	7	6	6	8	7	6	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	89	90	91	91	90	87	86	85	82	80	79	77
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×	Pt Cldy				×	Clear					→
Sunset: Time, Character									7 10 Cloudy			
Sunshine (in tenths of hours)	0.8	0.5	0.8	0.9	1.0	0	0	0				
Wind direction	NE	NE	E	NE	NE	NE	NE	E	NE	E	SE	SE
Wind movement	5	7	4	6	6	7	5	6	7	8	4	3

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
91	69	79	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 9.0

Possible sunshine, hours, 14.8

Percentage of possible sunshine, 61

Prevailing direction NE

Total movement, 145

Average hourly velocity, 6.0

Maximum velocity,	Direction,	Time.
10	E	Began 9:12 PM

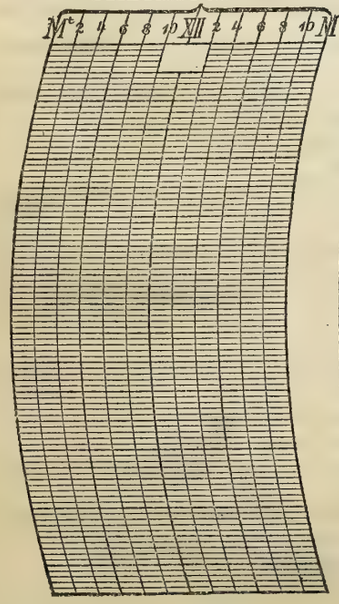
Extreme velocity, 10 — E — 9:12 PM

Relative humidity, 93 a. m., 62 p. m.

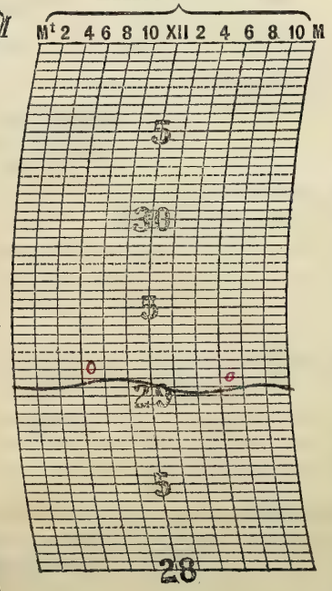
Reduced barometer, 29.99 a. m., 29.93 p. m.

River gage, 2.5 ft

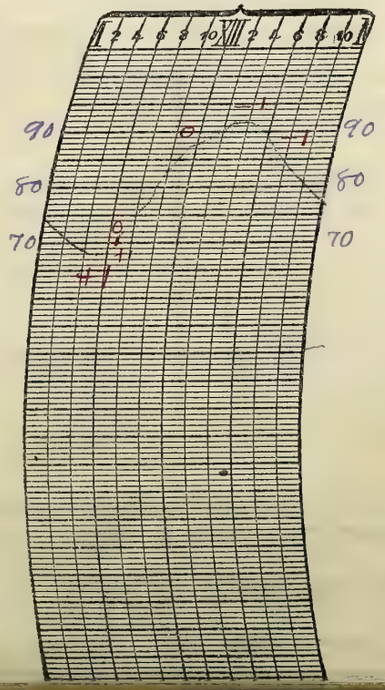
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.H.C.

Verified by F.M.S.

Form No. 1014—Mc'1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 19 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	76	75	74	74	73	74	76	81	84	88	89	89	91	92	90	85	85	84	83	80	79	79	79	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Clear					×		Pt Cloudy									→
Sunrise: Time, 4.25; Character, Cloudy																					Sunset: Time, 7.09; Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0.7	1.0	1.0	1.0	1.0	0.9	0.6	0.5	0.7	0	0	0	0				
Wind direction	SE	NE	NE	NE	NE	NE	NE	E	SE	S	SE	NE	E	ESE	SE	S	SWS	SE	SE	S	S	S	S	SW
Wind movement	4	4	3	4	2	4	6	3	4	3	3	6	4	4	4	14	10	6	6	6	6	6	9	8
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
93	73	83	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 7.4

Possible sunshine, hours, 14.7

Percentage of possible sunshine, 50

Prevailing direction NE

Total movement, 129

Average hourly velocity, 5.4

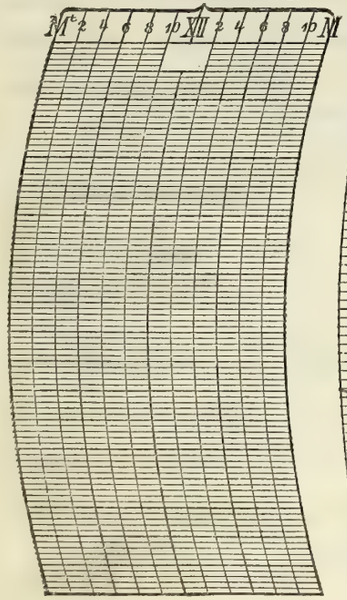
Maximum velocity,	Direction,	Time.
19	SW	Began 3.04 P.M.
Extreme velocity, 20	SW	3.04 P.M.

Relative humidity, 89 a. m. 74 p. m.

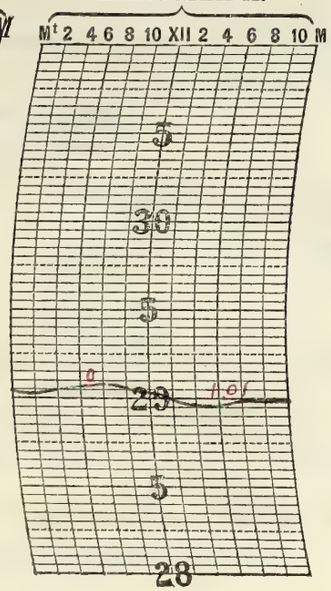
Reduced barometer, 24.74 a. m. 24.87 p. m.

River gage, 2.4 ft.

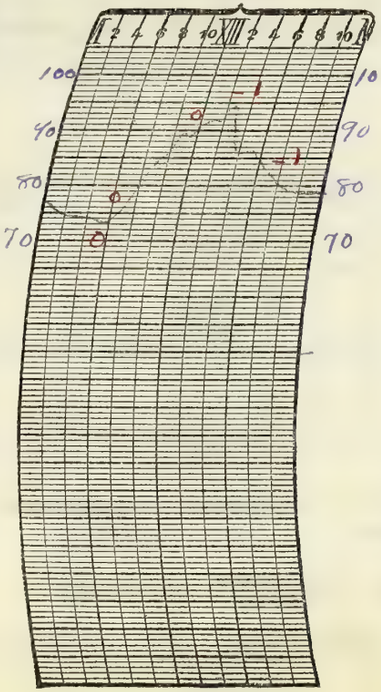
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. clouds prevailed during the middle of the day.

Prepared by H.S.C.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 20 1916 . 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	76	72	72	73	74	75	78	81	84	86	89	78	75	76	76	77	77	76	75	74	73	72	72
State of weather: Nature of precipitation and time of beginning and ending			RB 2:05	RE DN									RB 12:05	RE 2:00										
Amounts of precipitation			.14	.07									.29	.01										
Cloudiness and other conditions					← Pt Cloudy								→ Cloudy								TCx	Clear		

Sunrise: Time, 4.26 Character, Cloudy

Sunset: Time, 7.09 Character, Cloudy

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0.2	1.0	1.0	1.0	1.0	0	0	0	0	0	0	0	0				
Wind direction	SW	SE	NE	S	SW	SE	S	SW	SW	SW	SW	SW	W	NW	E	NW	NW	NE	NE	E	E	SE	SW	SW
Wind movement	7	7	8	5	6	4	7	9	6	6	7	4	15	11	5	3	3	5	4	3	1	4	7	5
Maximum velocities (exceeding 29 miles) direction and time													38 SW 12:08											

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
89	72	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 1 a. m., .21 ins.; to 7 p. m., .30 ins.

Total precipitation, midnight to midnight, .51 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 4.2

Possible sunshine, hours, 14.7

Percentage of possible sunshine, 29

Prevailing direction SW

Total movement, 142

Average hourly velocity, 5.9

Maximum velocity, 38 Direction, SW Time. Began 12.08 PM

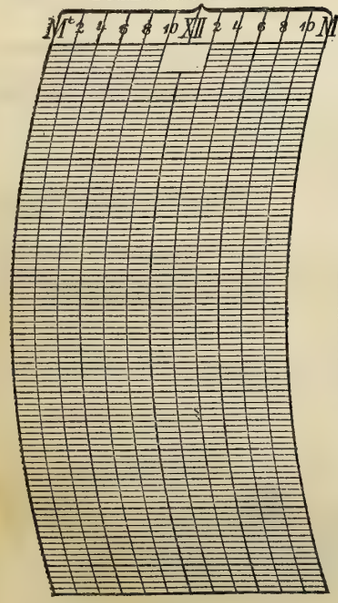
Extreme velocity, 39 SW 12.08 PM

Relative humidity, 89 a. m. 95 p. m.

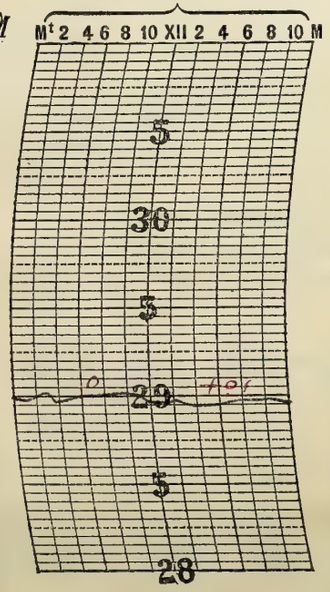
Reduced barometer, 27.88 a. m. 29.88 p. m.

River gage, 2.4 ft.

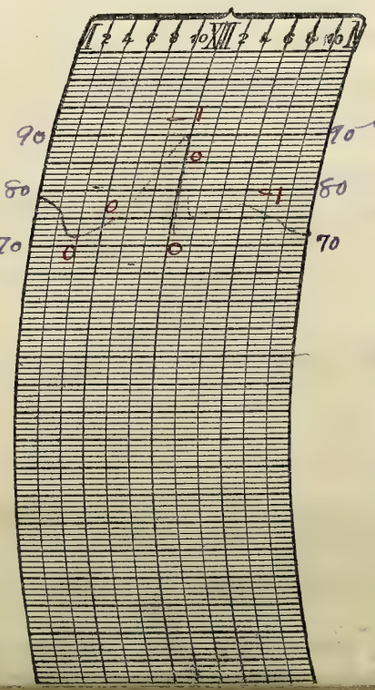
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunder was heard from 2.05 AM to 3.20 AM. and from 12:01 P.M. to 2:00 P.M.

The thunderstorm which occurred during the middle of the day was accompanied by a gust of high wind

Prepared by N.T.C.

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 21 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	72	72	72	73	72	73	74	77	79	80	81	82	84	84	85	85	85	84	83	78	74	72	70	69
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear			× Pt Cldy				×			Clear									
Sunshine (in tenths of hours)					.55 0	1.0 0	0.6 0.4	1.0	0.7	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0 0	.3 0				
Wind direction	SW	NW	N	N	N	N	N	NE	NE	NE	N	NE	N	N	N	N	N	N	N	N	N	N	NW	NW
Wind movement	5	7	7	6	6	5	5	10	9	8	9	10	9	8	9	9	8	5	3	2	3	6	5	5

Sunrise: Time, 4.27; Character, Clear

Sunset: Time, 7.08; Character, Clear

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
85	69	77	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, First Quarter

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 14.5

Possible sunshine, hours, 14.7

Percentage of possible sunshine, 99

Prevailing direction N

Total movement, 159

Average hourly velocity, 6.6

Maximum velocity,	Direction,	Time.
12	N	Began 11.53 A.M.

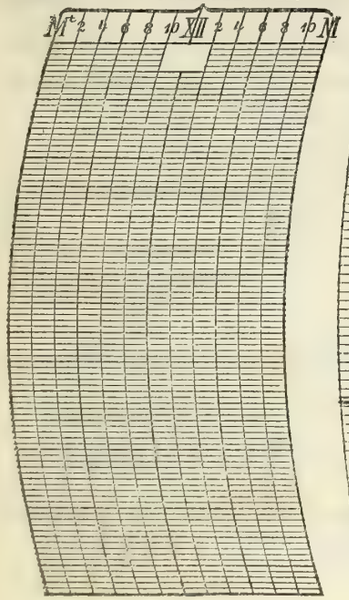
Extreme velocity, 12 – N – 11.53 A.M.

Relative humidity, 82 a. m., 40 p. m.

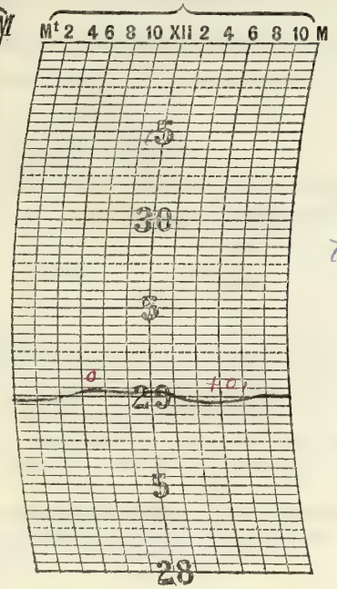
Reduced barometer, 29.91 a. m., 29.88 p. m.

River gage, 2.3 ft

THERMOGRAPH.



BAROGRAPH.



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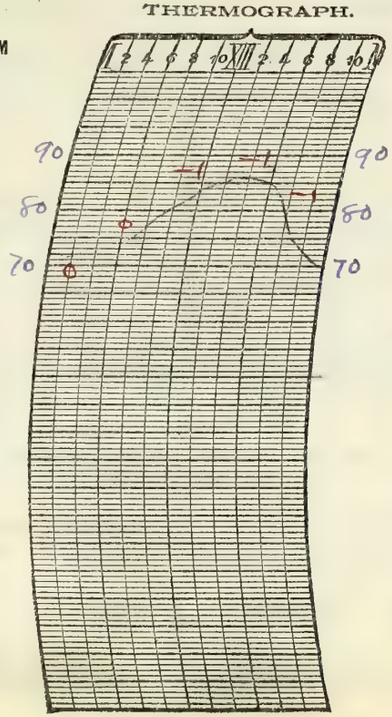


NOTES.

Prepared by W.T.

Verified by P.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 22 1916 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	67	66	66	68	72	77	81	85	86	87	89	92	90	78	79	78	78	76	75	73	72	70
State of weather: Nature of precipitation and time of beginning and ending																RR 3:45	RE 4:15							
Amounts of precipitation																T	.01							
Cloudiness and other conditions						Clear									Pcldy					Clear				
Sunshine (in tenths of hours)					0	0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.2	0.4	0.3	0	0				
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	N	NW	N	NW	NW	NW	N	S	SW	SW	SW	SW	S	SE	S
Wind movement	3	4	5	5	5	5	5	6	7	5	7	7	7	6	6	8	5	6	4	4	5	3	1	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:27 Character, Clear

Sunset: Time, 7:07 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	92	66	79	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 3

Actual sunshine, hours, 12.9

Possible sunshine, hours, 14.7

Percentage of possible sunshine, 88

Prevailing direction NW

Total movement, 123

Average hourly velocity, 5.1

Maximum velocity, 17 Direction, SW Time. Began 3:22 PM

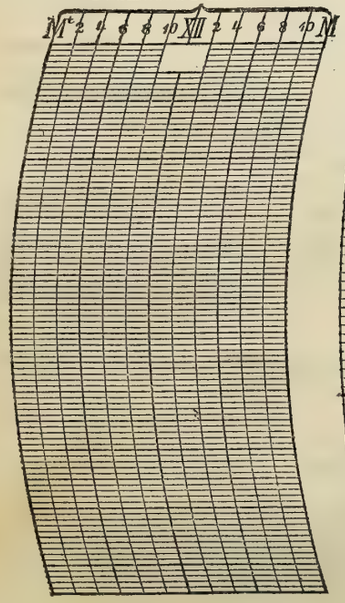
Extreme velocity, 19-SW-3:22 PM

Relative humidity, 67 a. m., 64 p. m.

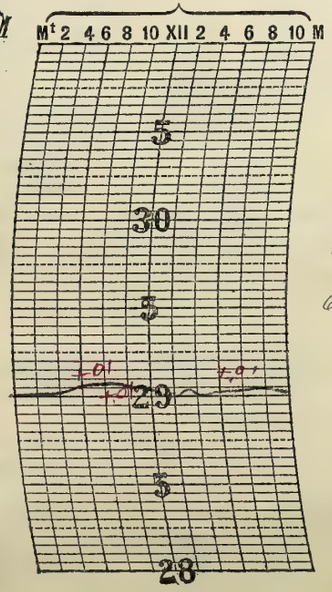
Reduced barometer, 29.98 a. m., 29.92 p. m.

River gage, 2.3 f.

THERMOGRAPH.



BAROGRAPH.



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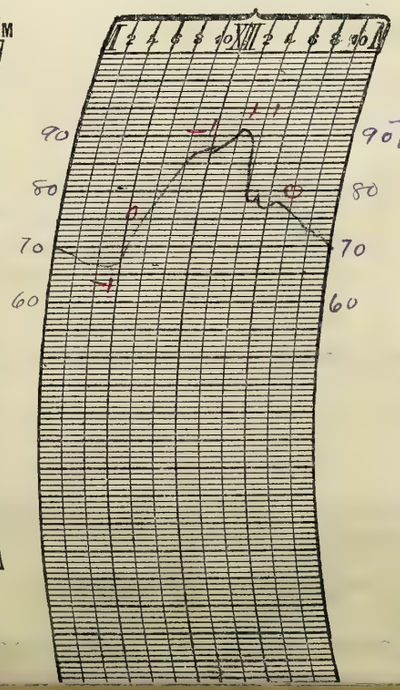


NOTES.

a moderate thunderstorm occurred from 3:00 P.M. to 4:00 P.M.

Prepared by HPC.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 23 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	68	67	67	67	69	74	80	85	88	90	92	92	93	91	92	91	90	87	84	81	79	77	76
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear								Partly					Clear					
Sunshine (in tenths of hours)	Sunrise: Time, 4.28; Character, Clear				.53 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0.5	0.2 0.7	1.0 0	.10 0		Sunset: Time, 7.06; Character, Clear		
Wind direction	S	S	S	S	S	S	S	S	S	W	W	W	NW	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	5	7	6	4	4	4	1	2	7	8	9	10	11	9	8	5	7	5	5	3	4	3	3	3
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
93	67	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 12.8

Possible sunshine, hours, 14.6

Percentage of possible sunshine, 88

Prevailing direction S.

Total movement, 133

Average hourly velocity, 5.5

Maximum velocity,	Direction,	Time.
12	NW	Began 12.08 P.M.

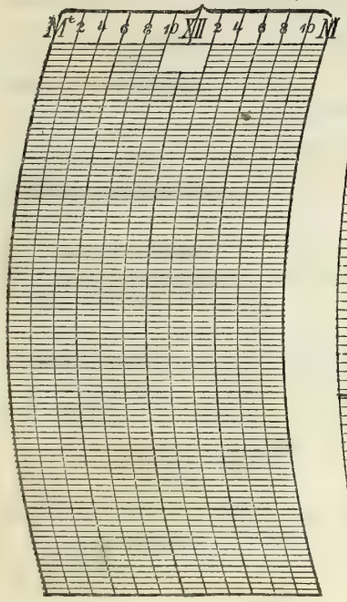
Extreme velocity, 12 NW 12.08 P.M.

Relative humidity, 76 a. m. 48 p. m.

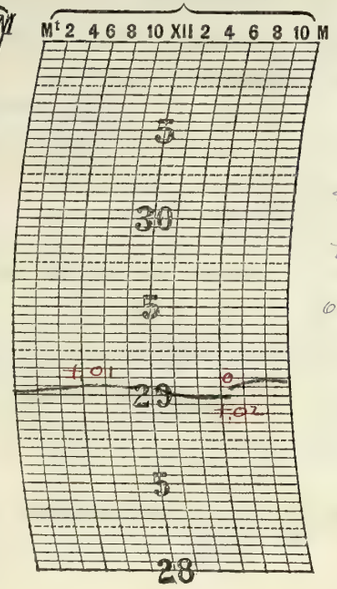
Reduced barometer, 29.98 a. m. 29.92 p. m.

River gage, 2.4 ft

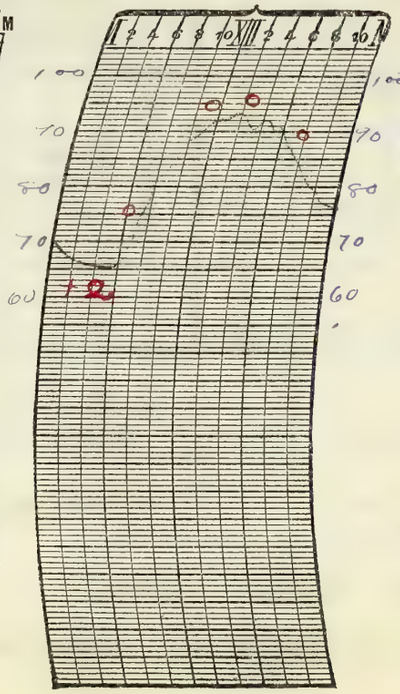
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunder was heard east and south of the station from 2:00 P.M. to 2:30 P.M.

Prepared by HJC.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 24 1916 191

Time (local standard), 75th mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	72	71	70	72	78	83	87	89	90	90	92	92	92	92	93	91	88	84	81	79	79	76
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear								Clear								
Sunshine (in tenths of hours)					0	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0	0				
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	E	E	N
Wind movement	3	6	5	5	5	4	4	3	4	6	6	6	5	7	7	8	6	5	5	5	8	6	5	2
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4.29 Character, Clear

Sunset: Time, 7.05 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

.....hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
93	70	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 14.6

Possible sunshine, hours, 14.6

Percentage of possible sunshine, 100

Prevailing direction N

Total movement, 126

Average hourly velocity, 5.2

Maximum velocity,	Direction,	Time.
10	N	Began 2.50 P.M.

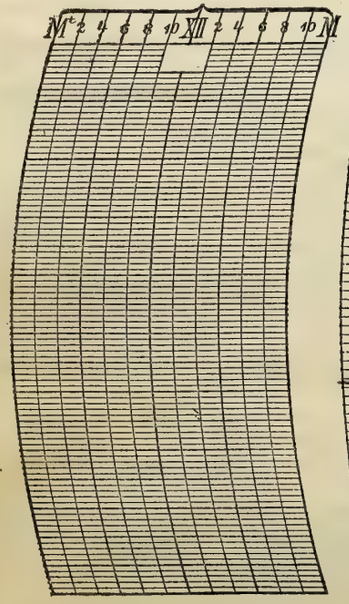
Extreme velocity, 10 — N — 2.50 P.M.

Relative humidity, 69 a. m. 49 p. m.

Reduced barometer, 30.02 a. m. 29.99 p. m.

River gage, 2.4 ft.

THERMOGRAPH.



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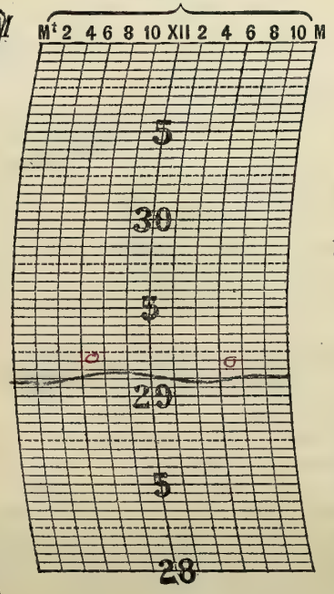

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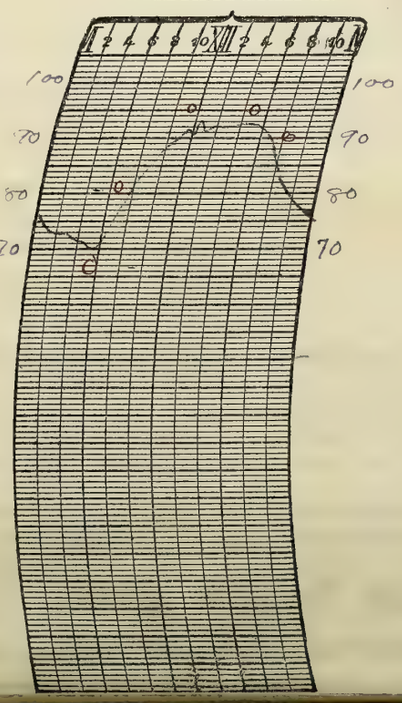


NOTES.

Prepared by H.T.C.

Verified by P.M.C.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 25 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	72	71	70	68	71	76	80	83	86	88	90	92	93	94	95	96 95	86	84	84	84	81	80	76
State of weather: Nature of precipitation and time of beginning and ending																	RB 4.45	RE 5.15						
Amounts of precipitation																	T	.01						
Cloudiness and other conditions	Clear												Clear					P.C.		Clear				
Sunshine (in tenths of hours)					0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0	0				
Wind direction	NE	NE	NE	NE	NE	N	N	NE	NE	NE	NE	NE	N	NE	N	N	NW	E	NE	SE	SE	SE	SE	E
Wind movement	3	3	3	5	5	6	7	7	7	4	5	4	5	5	6	4	10	10	4	4	2	1	1	1

Sunrise: Time, 4.30 Character, Clear

Sunset: Time, 7.04 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	96	68	82	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2.1

Actual sunshine, hours, 12.3

Possible sunshine, hours, 14.6

Percentage of possible sunshine, 84

Prevailing direction NE

Total movement, 112

Average hourly velocity, 47

Maximum velocity, 27 Direction, N Time. Began 4.50 PM

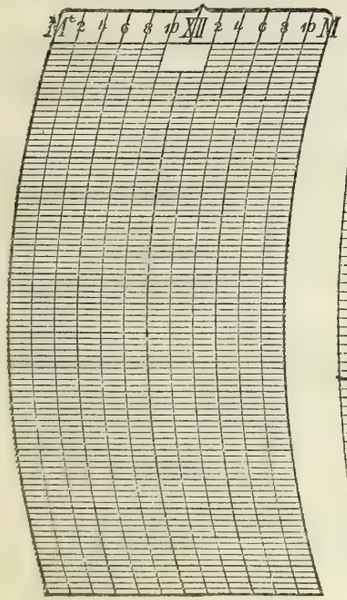
Extreme velocity, 27 - N - 4.50 PM

Relative humidity, 65 a. m. 57 p. m.

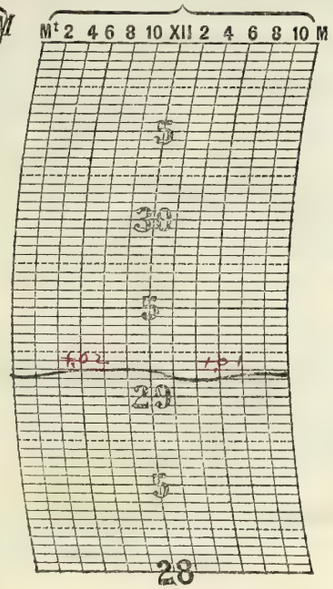
Reduced barometer, 30.07 a. m. 30.04 p. m.

River gage, 2.3 ft

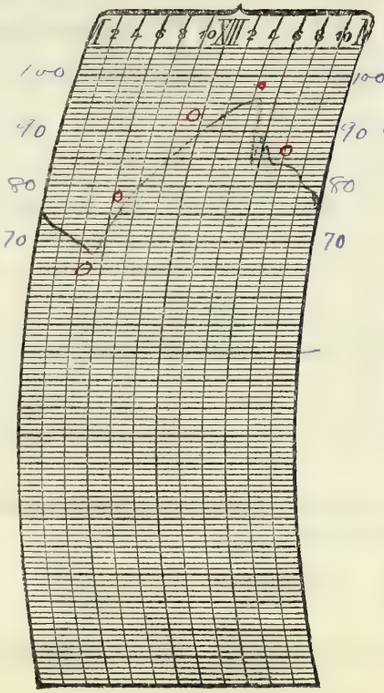
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A light thunderstorm occurred from 4.30 P.M. to 5.04 P.M.

Prepared by JHR.

Verified by C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 26 1916 . 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	75	74	74	71	73	79	83	89	93	94	95
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunrise: Time, Character,	4.31 Clear											
Sunshine (in tenths of hours)					48 0	1.0 0	1.0 0	0.3 0.7	1.0	1.0	1.0	1.0
Wind direction	O	E	O	ESE	SE	N	N	N	N	N	NW	N
Wind movement	0	1	0	2	2	1	1	2	2	3	4	4
Maximum velocities (exceeding 29 miles) direction and time												
Total duration. From—												
Total duration. To—												
Total amount of precipitation.												
Excessive rate. Began—												
Excessive rate. Ended—												
Amount before excessive began.												
Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.												
10 min.												
15 min.												
20 min.												
25 min.												
30 min.												
35 min.												
40 min.												
45 min.												
50 min.												
60 min.												
80 min.												
100 min.												
120 min.												
Excessive precipitation, accumulated amounts												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	95	96	97	98	97	96	92	89	85	82	81	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Partly Cloudy					Clear		
Sunset: Time, Character,									7.03 Clear			
Sunshine (in tenths of hours)	0.7	1.0	1.0	1.0	1.0	0.8 0.2	1.0 0	0.5 0				
Wind direction	N	N	NW	NW	N	N	N	N	O	NW	NW	N
Wind movement	5	4	4	5	5	3	3	1	0	2	2	2
Maximum velocities (exceeding 29 miles) direction and time												
Total duration. From—												
Total duration. To—												
Total amount of precipitation.												
Excessive rate. Began—												
Excessive rate. Ended—												
Amount before excessive began.												
Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.												
10 min.												
15 min.												
20 min.												
25 min.												
30 min.												
35 min.												
40 min.												
45 min.												
50 min.												
60 min.												
80 min.												
100 min.												
120 min.												
Excessive precipitation, accumulated amounts												

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
79	71	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 14.2

Possible sunshine, hours, 14.5

Percentage of possible sunshine, 98

Prevailing direction N

Total movement, 58

Average hourly velocity, 2.4

Maximum velocity,	Direction,	Time.
8	N	Began 12.12 PM

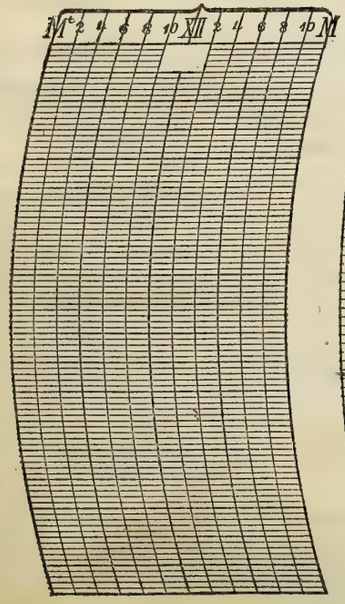
Extreme velocity, 8 — N — 12.12 PM

Relative humidity, 68 a. m. 38 p. m.

Reduced barometer, 30.12 a. m. 30.08 p. m.

River gage, 2.3 ft.

THERMOGRAPH.



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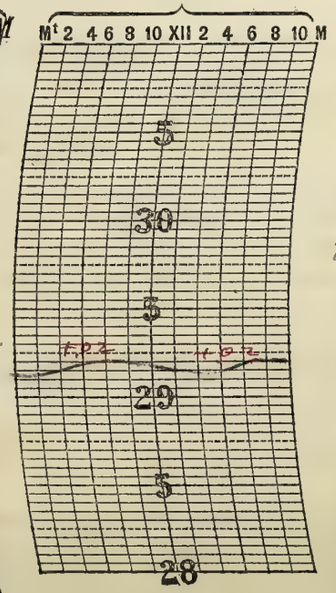

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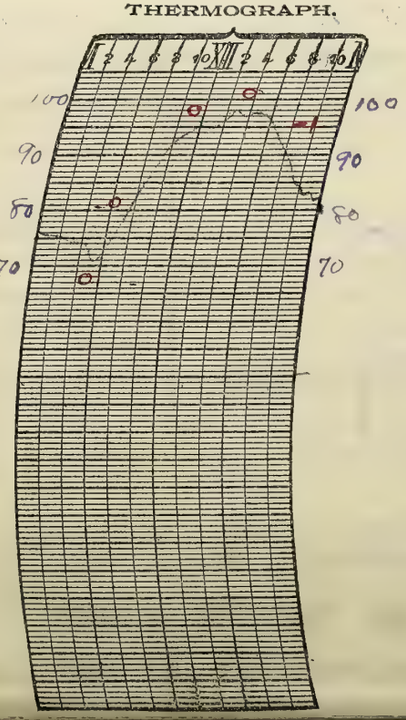


NOTES.

Prepared by J.H.T.C.

Verified by J.H.T.C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 27 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	79	79	78	76	75	77	81	86	91	95	96	97	98	99	99	98	98	95	94	87	85	83	82	82
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear							Clear				× Pt Cldy		×		Clear		
Sunshine (in tenths of hours)					0	0	0.4	0.2	0.5	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.6	0	0	0				
Wind direction	N	N	N	N	N	N	N	N	N	SW	SW	W	N	N	N	N	NW	NW	NW	NW	NE	E	E	E
Wind movement	3	4	4	5	2	2	2	1	3	4	3	5	6	4	6	3	6	2	1	2	2	7	6	5

Sunrise: Time, 4.32 Character, Clear

Sunset: Time, 7.03 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

.....1..... hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
99	75	87	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 10.7

Possible sunshine, hours, 14.5

Percentage of possible sunshine, 74

Prevailing direction N

Total movement, 92

Average hourly velocity, 3.8

Maximum velocity, 9 Direction, E Time. Began 9 15 PM

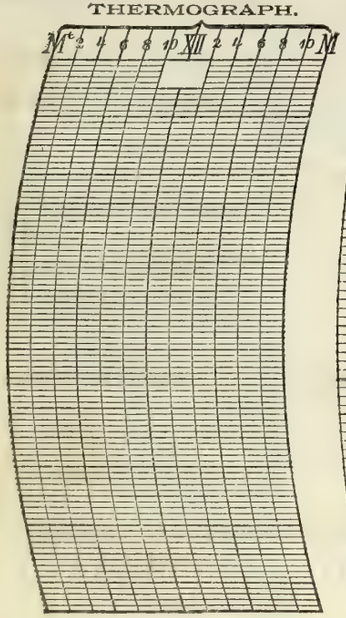
Extreme velocity, 9 - E - 9 15 PM

Relative humidity, 63 a. m., 39 p. m.

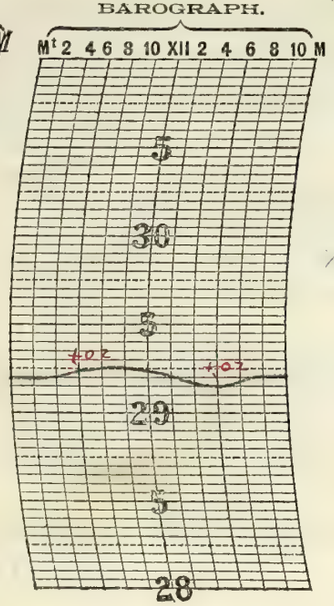
Reduced barometer, 30.17 a. m., 30.08 p. m.

River gage, 2.3 ft

THERMOGRAPH.



BAROGRAPH.



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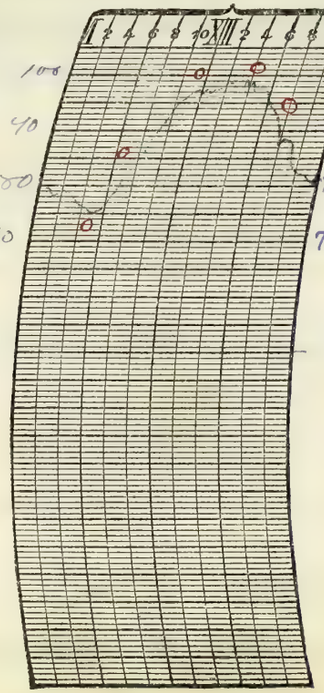


NOTES.

Some St.Cu. clouds were observed during the middle of the day. The day was the hotest since July 4, 1911. The maximum temperature 99.4° was but 0.1° lower than July 4, 1911, when it was 99.5°.

Prepared by HFC

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 28 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	77	76	75	73	76	79	83	86	89	91	92	95	97	98	97	96	94	92	88	85	82	80	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear											Clear						
Sunrise: Time, Character,	4.33 Clear																				Sunset: Time, Character, 7.02 Clear			
Sunshine (in tenths of hours)		1			.45 0	1.0 0	1.0 0	.04 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.04 0.6	1.0 0	.03 0		1		
Wind direction	SSE	E	E	E	E	E	O	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	NE	NE	E
Wind movement	3	2	3	2	2	3	0	4	5	8	7	8	7	8	7	6	6	4	4	4	5	6	5	4
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
78	73	86	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 14.5

Possible sunshine, hours, 14.5

Percentage of possible sunshine, 100

Prevailing direction NE

Total movement, 113

Average hourly velocity, 4.7

Maximum velocity,	Direction,	Time.
10	NE	Began 9.18 AM
Extreme velocity, 10	NE	9.18 AM

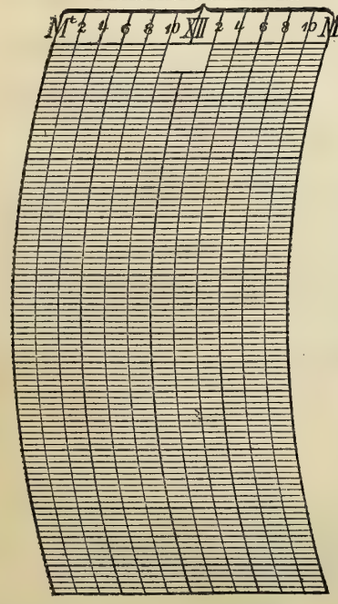
Relative humidity, 75 a. m. 49 p. m.

Reduced barometer, 30.16 a. m. p. m.

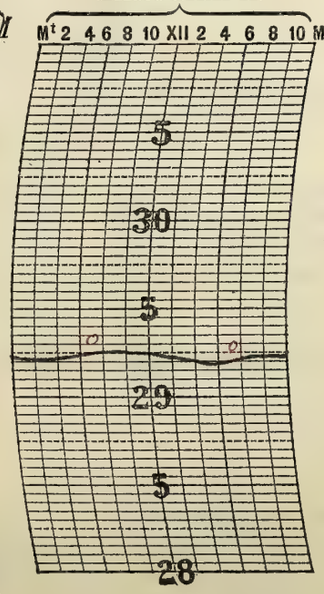
River gage, 2.3 ft

NOTES.

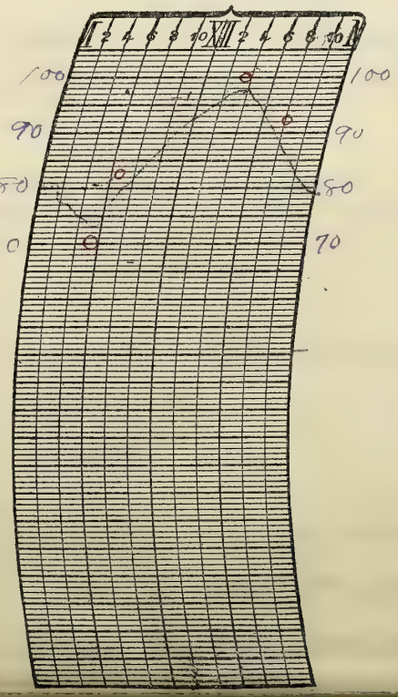
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by HTS.
Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 29 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	79	77	76	75	76	76	79	85	89	93	94	94	96	97	98	97	96	94	92	90	87	85	83	82
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear							Clear									
Sunrise: Time, 4.34; Character, Clear					.43	1.0	0.2														Sunset: Time, 7.01; Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0				
Wind direction	E	E	E	E	E	O	E	E	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S
Wind movement	2	2	2	2	1	0	1	1	2	1	3	3	6	5	7	6	4	5	5	5	6	7	7	7
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
98	75	86	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, New Moon 8

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 12.1

Possible sunshine, hours, 14.4

Percentage of possible sunshine, 84

Prevailing direction E

Total movement, 92

Average hourly velocity, 3.8

Maximum velocity, 10 Direction, SE Time. Began 2.38 PM

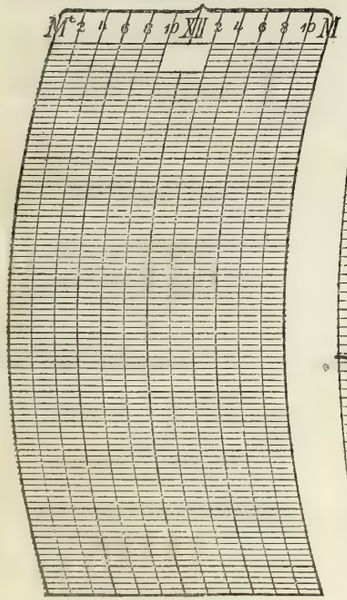
Extreme velocity, 10 – SE – 2.38 PM

Relative humidity, 78 a. m. 48 p. m.

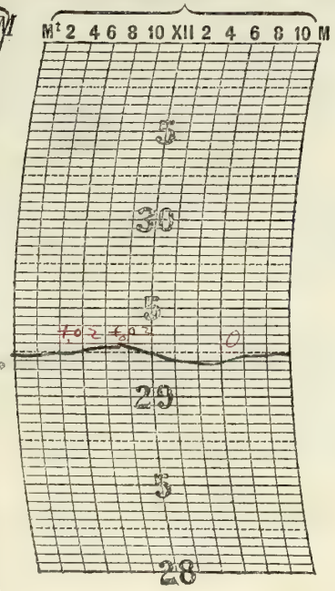
Reduced barometer, 30.19 a. m. 30.11 p. m.

River gage, 2.2 ft.

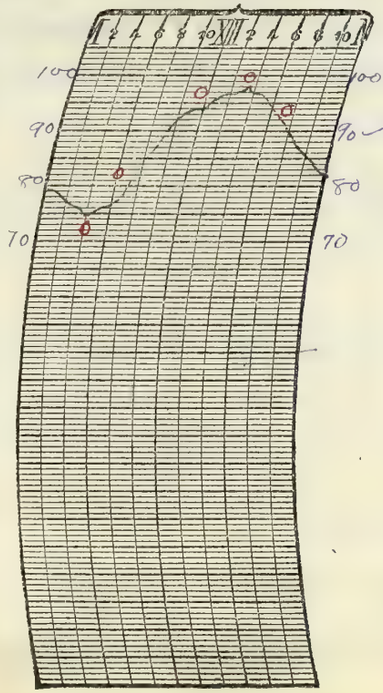
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze prevailed from 9.00 A.M. to 7.30 P.M.

Prepared by J.H.S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 30 1916 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	79	77	76	75	75	77	80	85	89	92	94
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunrise: Time, Character,	4.35 Clear				.42	1.0	1.0					
Sunshine (in tenths of hours)		1			0	0	0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	SW	SW	S
Wind movement	7	8	7	6	6	5	7	7	6	7	5	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	96	97	98	96	95	93	89	87	85	83	82	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					*Pt Cldy*					Clear		
Sunset: Time, Character,						1.0	1.00		7.00 Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0	0		1			
Wind direction	S	S	S	SW	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	7	8	10	8	6	7	7	7	8	9	9

Maximum 24 velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
98	75	86	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 14.4

Possible sunshine, hours, 14.4

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 170

Average hourly velocity, 7.1

Maximum velocity, 12 Direction, SW Time. Began 3.37 PM

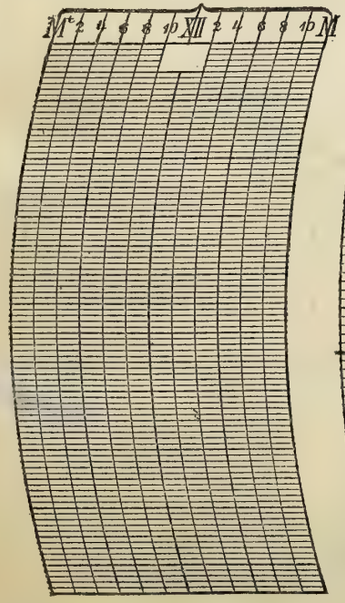
Extreme velocity, 12-SW-3.37 PM

Relative humidity, 71 a. m. 53 p. m.

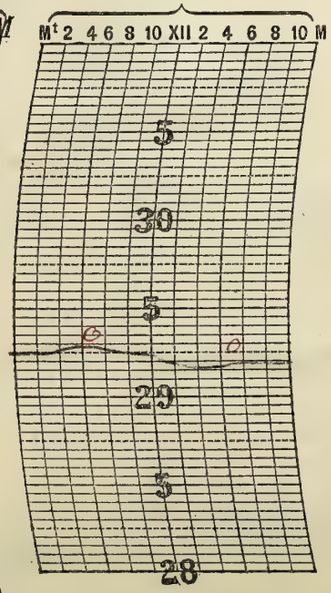
Reduced barometer, 30.19 a. m. 30.08 p. m.

River gage, 2.1 ft

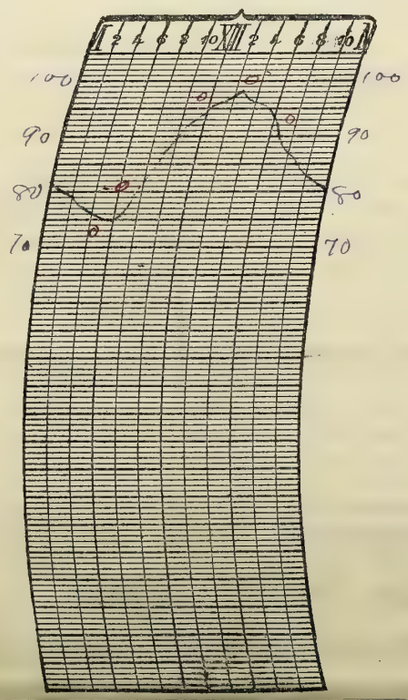
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by N.T.C.

Verified by

8—426

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 31 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	77	76	75	75	74	76	79	84	88	92	95	96	81	75	78	80	81	81	81	80	78	76	74
State of weather: Nature of precipitation and time of beginning and ending														RB 1.07 RE 1.30 RB 1.50	RE 2.15									
Amounts of precipitation														.07	.01									
Cloudiness and other conditions							Clear						Pt Cldy			Cloudy								
Sunrise: Time, 4.36 Character, Cloudy																					Sunset: Time, 6.59 Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	10	10	10	10	10	08	0	0	04	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	NW	NW	NW	E	SE	E	NE	NE	E	NE	NE	NE	NE	NE
Wind movement	9	7	8	8	8	7	9	10	9	8	8	11	13	12	9	5	4	3	3	9	13	11	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

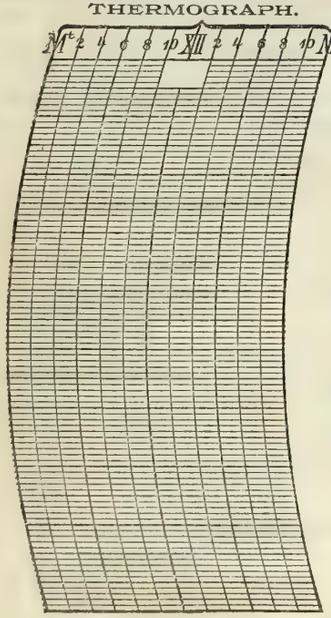
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
96	74	85	

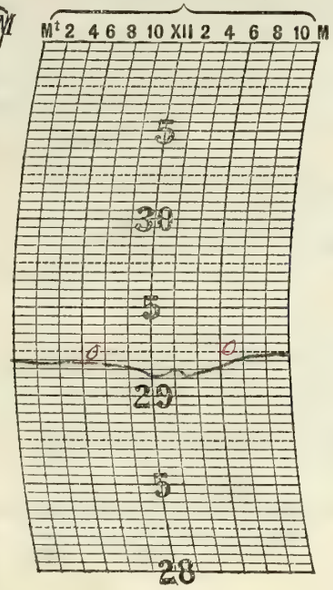
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10) 6
Actual sunshine, hours, 6.2
Possible sunshine, hours, 14.4
Percentage of possible sunshine, 43
Prevailing direction SW
Total movement, 204
Average hourly velocity, 8.5

Maximum velocity, 26 Direction, NW Time. Began 1.03 PM
Extreme velocity, 26 NW 1.03 PM
Relative humidity, 82 a. m. 78 p. m.
Reduced barometer, 30.07 a. m. 30.07 p. m.
River gage, 2.0 ft.

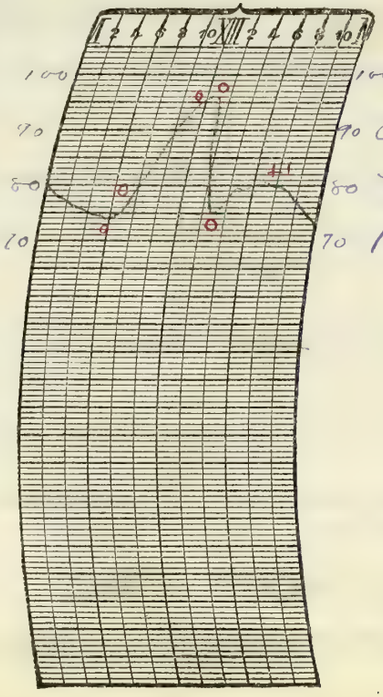
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Two showers passed over the station during the early afternoon in connection with which thunder was heard from 1.07 P.M. to 2.10 P.M.

Prepared by J.H.S.
Verified by

8—486

Form No. 1011—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 1 1916 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	69	67	66	64	66	67	69	71	73	75	75	76	77	78	76	74	73	70	69	68	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←		Clear		→		Pt Cloudy							×		Cloudy					→
Sunrise: Time, Character, 4.37 Clear																					Sunset: Time, Character, 6.57 Cloudy			
Sunshine (in tenths of hours)					38 0	1.0 0	1.0 0	0.1 0.9	0.6	1.0	1.0	1.0	1.0	0.2	0.5	0.4	0.6	0	0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	NE	NE
Wind movement	12	11	11	9	9	11	11	13	11	11	11	12	10	14	11	8	11	7	8	8	6	6	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
78	64	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 1 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Partly Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 9.7

Possible sunshine, hours, 14.3

Percentage of possible sunshine, 68

Prevailing direction NE

Total movement, 232

Average hourly velocity, 9.7

Maximum velocity,	Direction,	Time.
15	NE	Began 7.27 AM

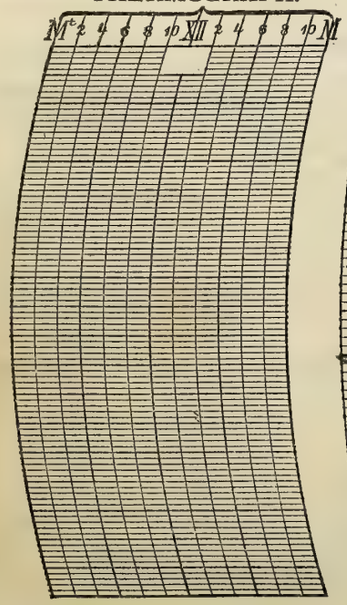
Extreme velocity, 15 NE 7.27 AM

Relative humidity, 76 a. m. 50 p. m.

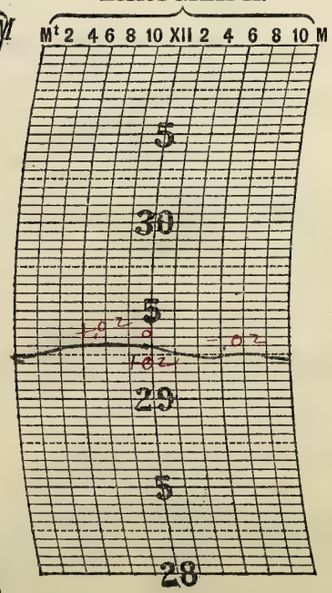
Reduced barometer, 30.24 a. m. 30.14 p. m.

River gage, 2.3 ft

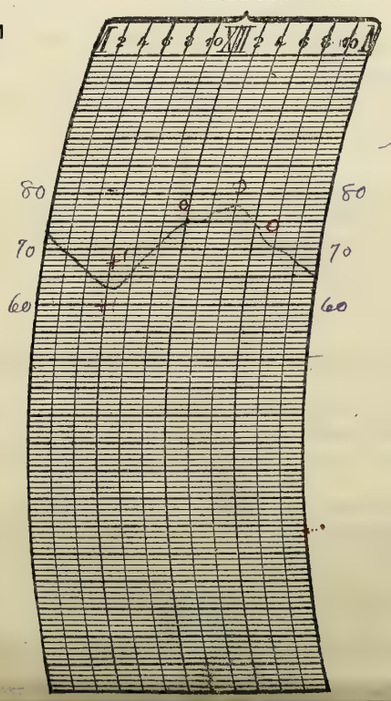
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze prevailed from 6.00 AM to 12:00 Noon.

Prepared by A.T.C.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 2 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	61	61	62	64	69	74	77	81	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear							
Sunrise: Time, 4.38 Character, Clear												
Sunshine (in tenths of hours)		1			.37 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	N	N	SW
Wind movement	7	6	7	7	7	7	7	6	4	4	5	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	87	88	89 88	87	85	84	80	77	75	72	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 6.56 Character, Clear												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0 0	.93 0					
Wind direction	S	SE	S	SW	SW	S	S	W	W	SW	SW	W
Wind movement	6	6	5	4	4	4	3	1	1	3	2	2
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
89	61	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 14.3

Possible sunshine, hours, 14.3

Percentage of possible sunshine, 100

Prevailing direction NE

Total movement, 113

Average hourly velocity, 4.7

Maximum velocity, 9 Direction, NE Time. Began 3.02 A.M.

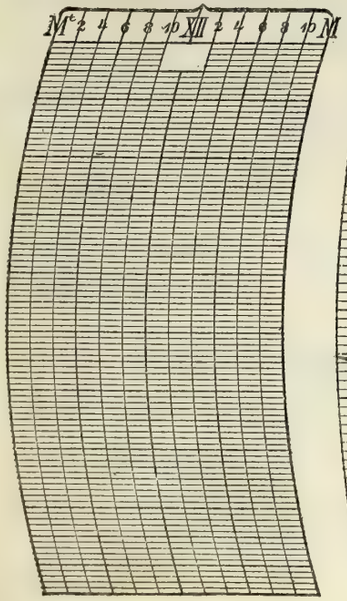
Extreme velocity, 9 — NE — 3.02 A.M.

Relative humidity, 79 a. m. 47 p. m.

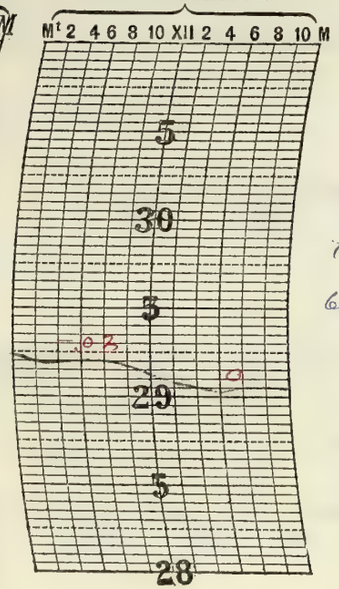
Reduced barometer, 30.10 a. m. 29.94 p. m.

River gage, 2.2 ft.

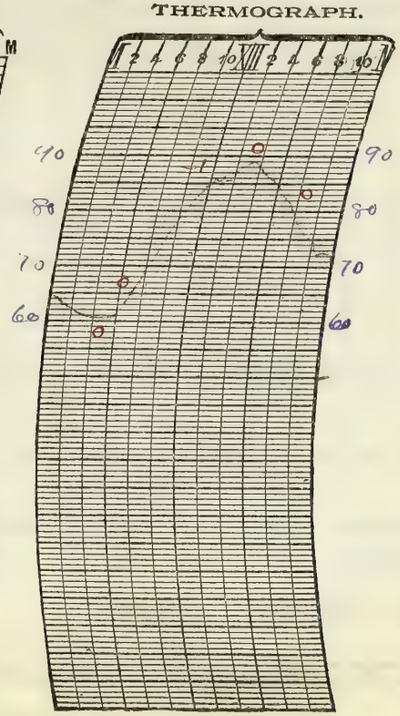
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.F.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 3 1916, 191

Time (local standard) (4) mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	67	65	64	64	67	71	79	84	88	91	92	93	93	92	90	89	88	87	74	72	72	69	75
State of weather: Nature of precipitation and time of beginning and ending																							RB 10.30	
Amounts of precipitation																							.10	.02
Cloudiness and other conditions					← Pt Cloudy										×		Cloudy							
Sunshine (in tenths of hours)					.35 0	1.0 0	0.6 0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0	0	0	0					
Wind direction	W	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	S	SW	SW	SW	N	NW	N	SE
Wind movement	1	3	1	5	4	6	7	8	9	9	8	8	7	9	10	9	7	6	1	8	11	7	11	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.39 Character, Clear

Sunset: Time, 6.55 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	10 30 P	- - -																		

(1) hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	64	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .12 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 10.2

Possible sunshine, hours, 14.3

Percentage of possible sunshine, 71

Prevailing direction SW.

Total movement, 162

Average hourly velocity, 6.8

Maximum velocity, 20 Direction, SW Time. Began 10.54 P.M.

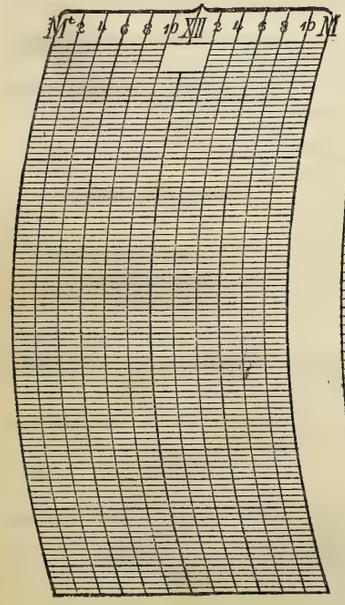
Extreme velocity, 22 SW - 10.54 P.M.

Relative humidity, 5 a. m. 46 p. m.

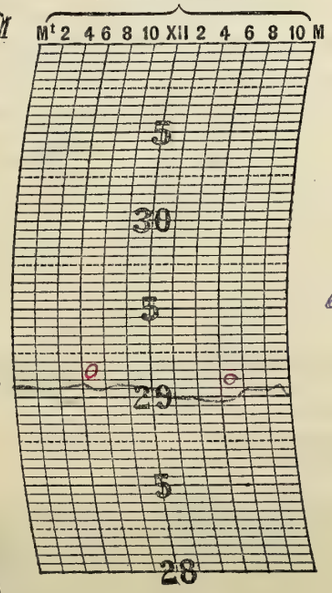
Reduced barometer, 29.95 a. m. 29.87 p. m.

River gage, 2.1 ft.

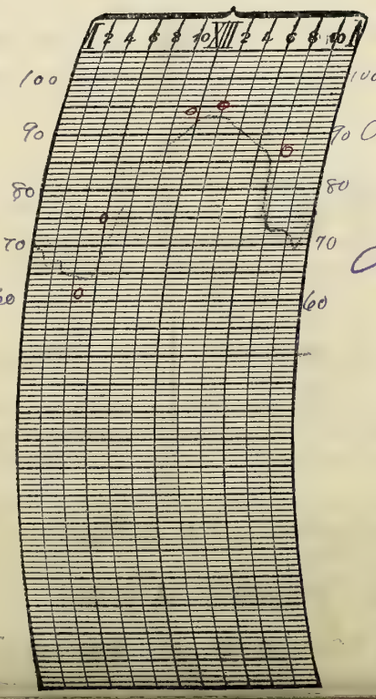
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. St. clouds prevailed to 8 00 A.M. and St. Cu. from 8 00 A.M. to 2 30 P.M. Thunder was first heard at 10 30 P.M. and continued into the next day.

Prepared by J.H.T.

Verified by P.M.C.D.

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 4 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	70	68	68	69	70	73	77	80	84	86	88	91	90	90	89	87	85	81	77	76	75	74	74
State of weather: Nature of precipitation and time of beginning and ending				RE 3.15															RB 6.25	RE 7.15				
Amounts of precipitation	T	T	.67	.01															T	T				
Cloudiness and other conditions						← Clear						×	Pt Cldy		×			Cloudy				→		

Sunrise: Time, 4.40; Character, Cloudy

Sunset: Time, 6.54; Character, Cloudy

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.2	0	0	0	0					
Wind direction	SE	SE	NSE	SE	SSE	SE	S	S	S	SW	SW	S	SW	SW	S	SE	SE	E	S	SW	SW	SW	SW	SW
Wind movement	7	11	9	9	7	4	6	7	4	5	6	5	6	6	4	4	4	5	9	8	4	5	7	7

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts ----	3.15 A	.80	2.26 A	2.46 A	.20	.12	.30	.42	.56										

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	91	68	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .80 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .68 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5.5

Actual sunshine, hours, 7.2

Possible sunshine, hours, 14.2

Percentage of possible sunshine, 51

Prevailing direction SW

Total movement, 149

Average hourly velocity, 6.2

Maximum velocity, 16 Direction, SE Time. Began 1.31 AM

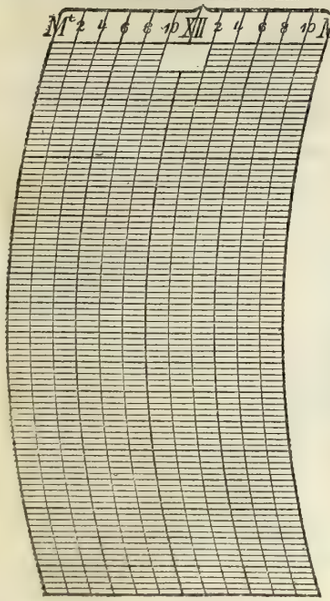
Extreme velocity, 18 SE 1.31 AM

Relative humidity, 89 a. m. 92 p. m.

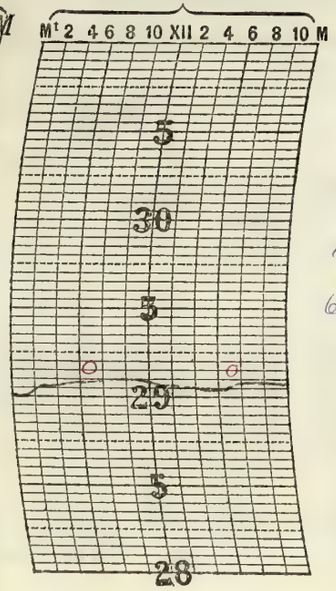
Reduced barometer, 29.97 a. m. 29.95 p. m.

River gage, 2.4 ft

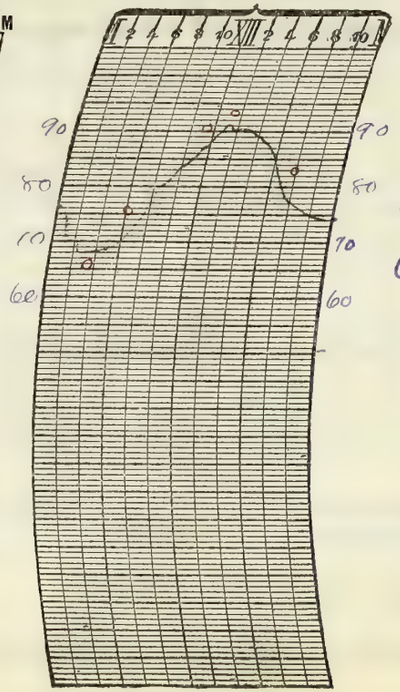
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunder was last heard at 3.15 A.M.
Thunder was heard from 5.15 P.M. to 6.30 P.M. and it sprinkled from 6.25 P.M. to 7.15 P.M.

Prepared by J.H.T.C.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 5 1916, 191

Time (local standard), 70 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	76	77	75	75	74	76	80	85	86	88	88	90	91	92	92	90	88	86	85	84	82	81	81
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←			Cloudy					×	Pt Cldy			×		Cloudy						→
Sunrise: Time, Character,	4.41 Cloudy																				Sunset: Time, 6.53 Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0	0.6	0.9	1.0	0.9	0.9	1.0	1.0	1.0	0.7	0	0					
Wind direction	S	S	NW	N	N	E	NW	S	S	SW	SW	W	W	NW	NW	NW	NW	NW	NW	N	N	NE	NE	NE
Wind movement	7	8	8	6	2	2	4	7	6	5	6	5	7	6	6	6	5	3	4	3	4	4	3	2
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
92	74	83	

Total depth of snow for 24 hours ending 1 p. m., 0 inches.

Snow on ground 1 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 8.0

Possible sunshine, hours, 14.2

Percentage of possible sunshine, 56

Prevailing direction NW

Total movement, 119

Average hourly velocity, 5.0

Maximum velocity, 13 Direction, NW Time. Began 2.14 A.M.

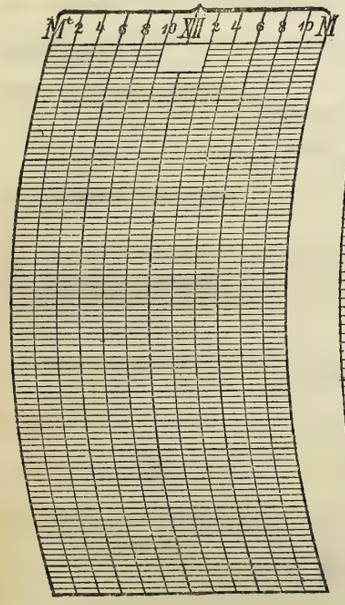
Extreme velocity, 13 - NW - 2.14 A.M.

Relative humidity, 83 a. m. 62 p. m.

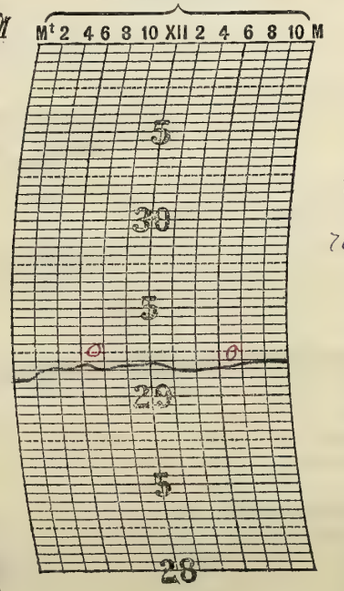
Reduced barometer, 30.06 a. m. 30.06 p. m.

River gage, 2.5 ft.

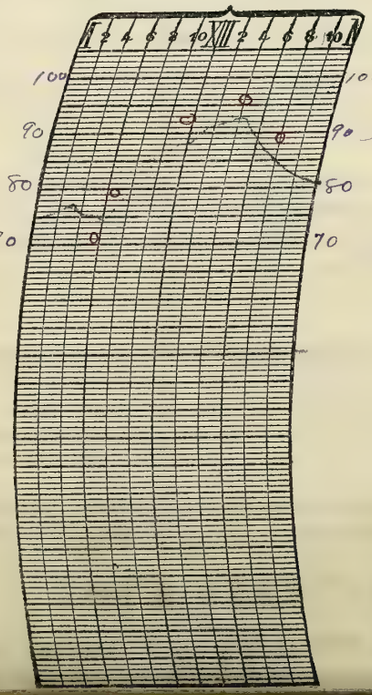
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. clouds prevailed during the middle of the day.

Prepared by J.T.S.

Verified by F.M.L.

FORM NO. 1012—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 6 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	80	78	77	74	75	78	80	84	87	90	91	91	92	92	93	92	91	90	88	85	83	82	81	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←				Clear							Clear									→
Sunshine (in tenths of hours)					0	0	0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0					
Wind direction	NE		E	E	E	E	E	SE	W	W	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	S	SE	S	S
Wind movement	4	3	3	3	4	4	2	8	5	4	7	8	12	13	14	13	12	9	6	6	6	5	8	9

Sunrise: Time, 4.42 Character, Clear

Sunset: Time, 6.52 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
93	74	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, First Quarter

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 14.0

Possible sunshine, hours, 14.2

Percentage of possible sunshine, 99

Prevailing direction SW

Total movement, 163

Average hourly velocity, 6.8

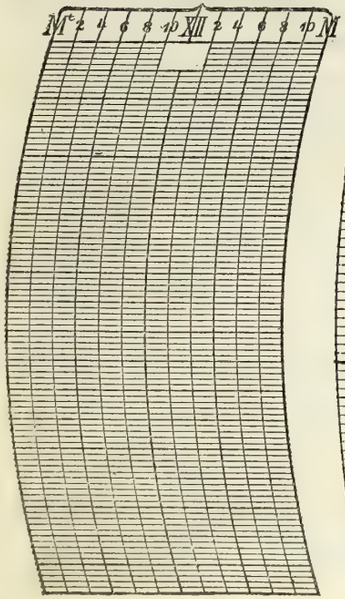
Maximum velocity,	Direction,	Time.
16	SW	Began 1.36 P.M.
Extreme velocity, 16	SW	1.36 P.M.

Relative humidity, 76 a. m., 58 p. m.

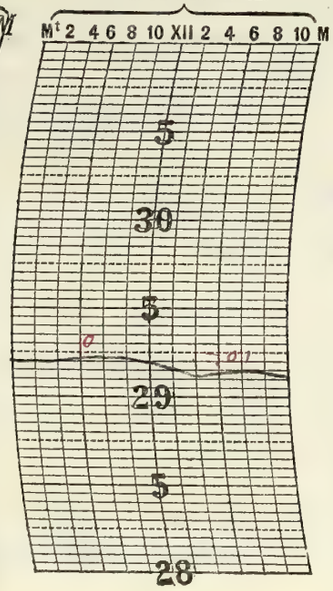
Reduced barometer, 30.11 a. m., 30.01 p. m.

River gage, 2.3 ft.

THERMOGRAPH.



BAROGRAPH.



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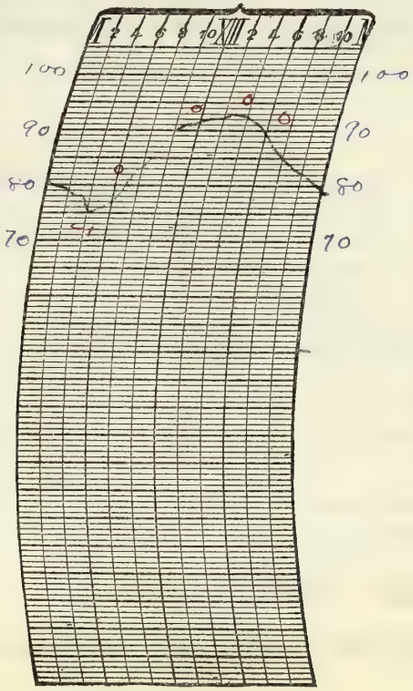


NOTES.

Prepared by HHC.

Verified by P. McA.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 7 1916, 191

Time (local standard) 10 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	78	76	76	75	77	78	84	87	90	91	92	93	93	93	85	87	86	84	82	81	79	78	77
State of weather: Nature of precipitation and time of beginning and ending																RB 3.25 RE 3.50								
Amounts of precipitation																.01								
Cloudiness and other conditions				←		Clear		×			Pt Cldy					×			Cloudy				→	
Sunrise: Time, Character,	4.43 Clear																							
Sunset: Time, Character,																						6.31 Cloudy		
Sunshine (in tenths of hours)					0	0	0	0.8	0.5	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0	0					
Wind direction	S	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	7	8	8	7	8	8	10	9	11	13	17	17	18	18	14	12	9	7	9	10	10	10	8

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
93	75	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 1 a. m., 0 ins.; to 1 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 9.5

Possible sunshine, hours, 14.1

Percentage of possible sunshine, 67

Prevailing direction SW

Total movement, 254

Average hourly velocity, 10.6

Maximum velocity,	Direction,	Time.
21	SW	Began 2.21 P.M.

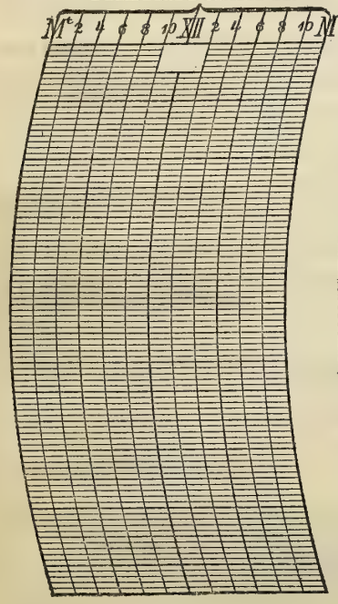
Extreme velocity, 22 - SW - 2.21 P.M.

Relative humidity, 79 a. m., 75 p. m.

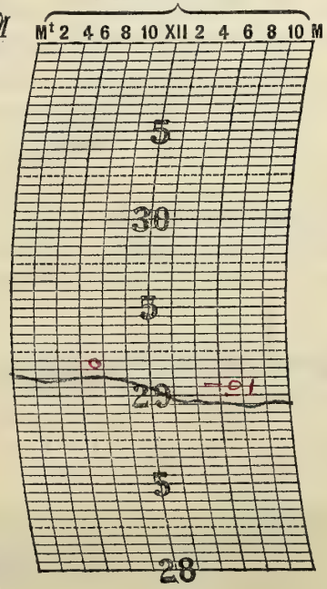
Reduced barometer, 29.99 a. m., 29.83 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



BAROGRAPH.



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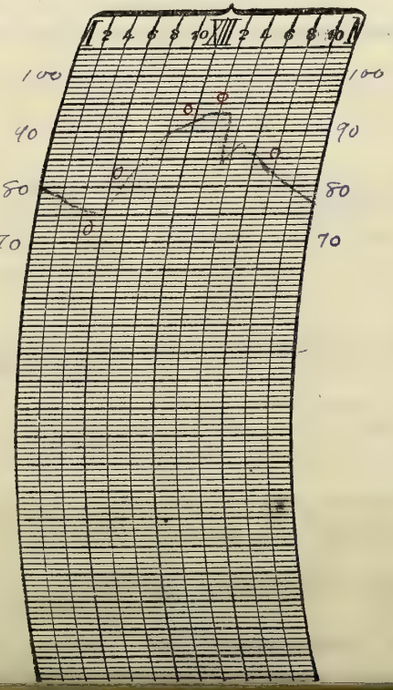


NOTES.

One peal of thunder was heard at 3.30 P.M.

Prepared by H.T.C.

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 8 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	77	76	74	73	74	74	75	74	73	74	78	79
State of weather: Nature of precipitation and time of beginning and ending			RB DN RE DN					RB 1:47		RE 9:50		
Amounts of precipitation			T					.03	.01	.14		
Cloudiness and other conditions					← Cloudy							
Sunrise: Time, Character	4.44 Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.2	0.3
Wind direction	NW	NW	S	SW	S	SW	SW	SW	W	NW	NW	NW
Wind movement	5	3	6	5	7	6	8	9	4	3	5	6

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	85	86	86	86	84	81	78	76	75	74	72	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			← Pt Cldy				Clear →					
Sunrise: Time, Character									Sunset: Time, Character 6.49 Clear			
Sunshine (in tenths of hours)	0.6	1.0	1.0	1.0	0.8	0.2	0					
Wind direction	NW	NW	NW	NW	NW	N	N	N	N	N	N	N
Wind movement	7	9	11	9	8	8	6	6	4	3	2	3

0.8, .82

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
86	70	6.8	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .18 ins.

Total precipitation, midnight to midnight, .18 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 6.7

Possible sunshine, hours, 14.1

Percentage of possible sunshine, 48

Prevailing direction NW.

Total movement, 145

Average hourly velocity, 6.0

Maximum velocity, 15 Direction, NW Time. Began 2.32 PM

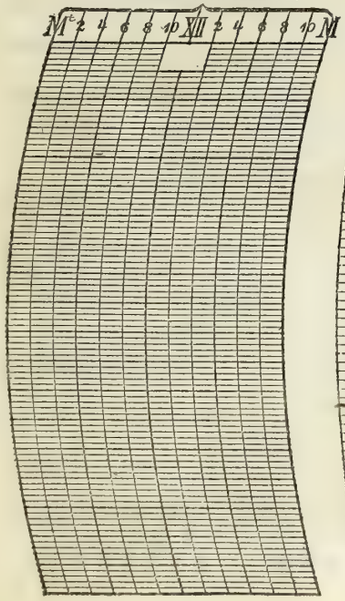
Extreme velocity, 15 — NW — 2.32 PM.

Relative humidity, 91 a. m., 65 p. m.

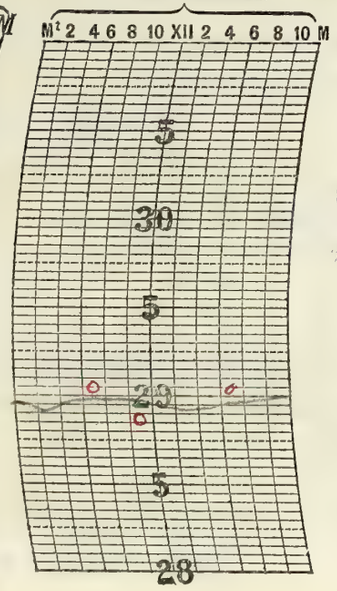
Reduced barometer, 29.85 a. m., 29.85 p. m.

River gage, 2.0 ft

THERMOGRAPH.



BAROGRAPH.



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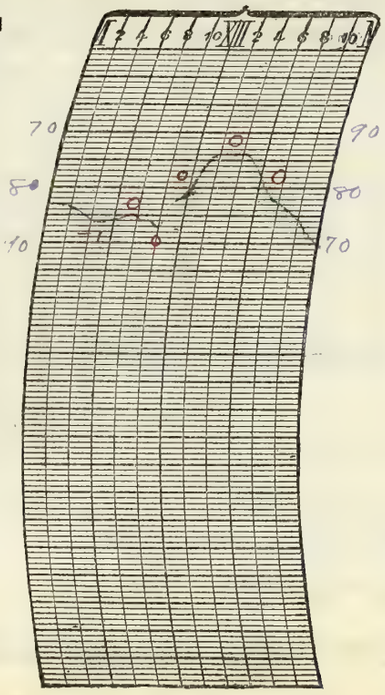


NOTES.

Thunder was heard from 8.00 A.M. to 8.30 A.M.

Prepared by J.H.C.

Verified by C.M.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 9 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	68	67	65	65	67	69	72	75	77	78	80	81	82	83	83	81	79	77	75	71	69	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear							Clear									
Sunshine (in tenths of hours)					.27 0	1.0 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.1	0	0					
Wind direction	N	N	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E
Wind movement	5	5	5	4	6	5	7	9	8	8	7	7	8	7	6	4	4	5	4	5	5	7	7	5

Sunrise: Time, 4.44 Character, Clear

Sunset: Time, 6.48 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
83	65	74	

Total depth of snow for 24 hours ending 1 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 1 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 11.3

Possible sunshine, hours, 14.1

Percentage of possible sunshine, 80

Prevailing direction NE

Total movement, 143

Average hourly velocity, 6.0

Maximum velocity, 11 Direction, E Time. Began 7.45 A.M.

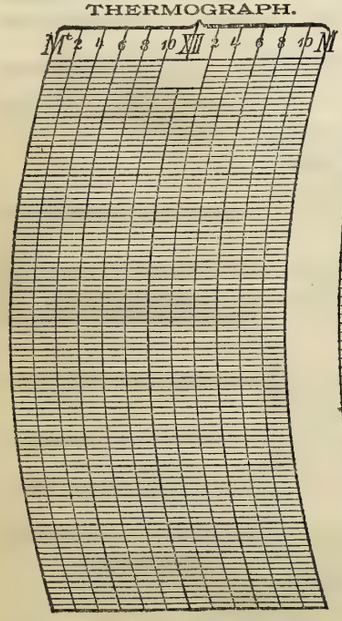
Extreme velocity, 11 - E - 7.45 A.M.

Relative humidity, 92 a. m., 53 p. m.

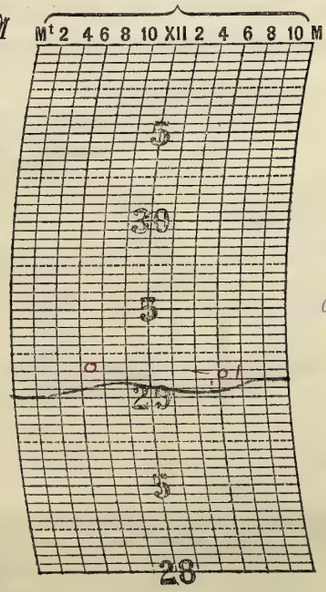
Reduced barometer, 29.96 a. m., 29.93 p. m.

River gage, 2.5 ft

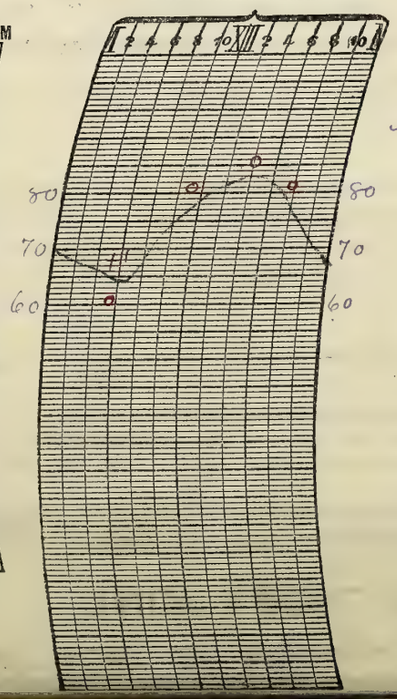
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. clouds were observed from 6.00 A.M. to 6.00 P.M.

Prepared by J.T.C.

Verified by P.M.C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 10 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	65	64	63	62	64	69	71	75	79	81	85	87	88	88	87	85	84	82	79	78	77	77	73
State of weather: Nature of precipitation and time of beginning and end														RB 1.55	RE 2.05		RB 4.45 RE 5.00						RB 10.55	
Amounts of precipitation														T	T		T						T	.18
Cloudiness and other conditions				←	Cldy		×	Pt Cldy				×			Cloudy									

Sunrise: Time, 4.45 Character, Cloudy

Sunset: Time, 6.47 Character, Cloudy

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)					0	0	0	0.1	1.0	0.4	0.9	1.0	1.0	0.5	0	0	0	0	0					
Wind direction	E	E	E	E	E	E	SE	SE	SE	S	S	S	S	SW	SW	S	SW	S	SW	SW	S	S	N	W
Wind movement	6	4	4	4	4	4	8	8	7	8	9	10	12	9	7	7	8	7	8	3	2	3	2	10

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
88	62	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .18 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 4.9

Possible sunshine, hours, 14.0

Percentage of possible sunshine, 35

Prevailing direction S.

Total movement, 154

Average hourly velocity, 6.4

Maximum velocity,	Direction,	Time.
14	S	Began 12.19 P.M.

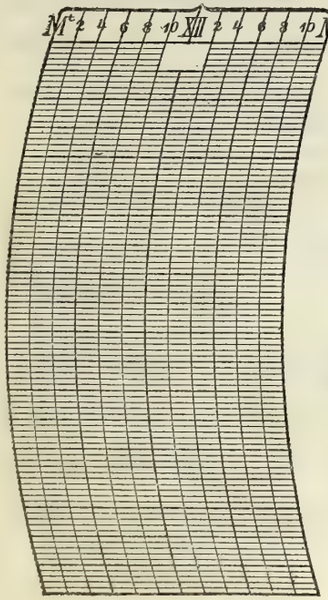
Extreme velocity, 14 S 12.19 P.M.

Relative humidity, 70 a. m. 72 p. m.

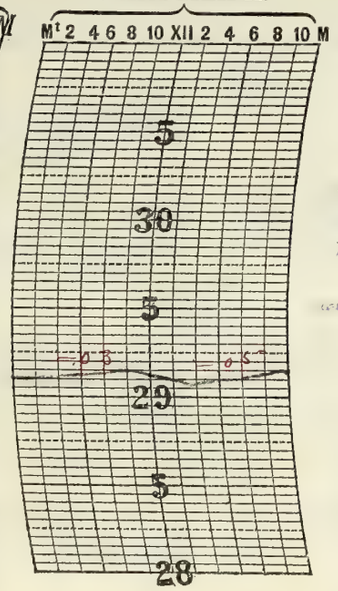
Reduced barometer, 30.01 a. m. 29.96 p. m.

River gage, 21 ft.

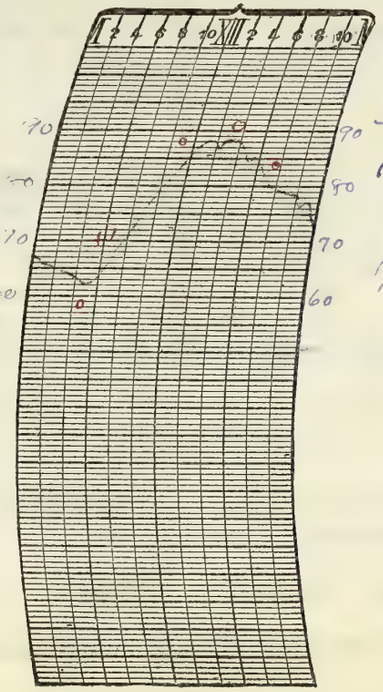
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through openings in the clouds during part of the afternoon.
Thunder was heard from 11.00 P.M. to 11.50 P.M.
Thunder was also heard from 4.50 P. to 5.00 P.M.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 11 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	69	70	70	70	72	73	75	78	80	78	79	79	80	82	81	80	78	76	74	72	70	68
State of weather: Nature of precipitation and time of beginning and ending						RE-DN																		
Amounts of precipitation	.07	.22	.10	.07	.01	.01																		
Cloudiness and other conditions								Cloudy								P.C.	×	Clear						
Sunrise: Time, Character	4.47 Cloudy																							
Sunset: Time, Character																					6.45 Cloudy			
Sunshine (in tenths of hours)					0	0	0	0.2	0.8	0.8	0.7	0.3	0.2	0	0	0.9	0.1	0	0					
Wind direction	SW	SW	S	SE	SW	SW	S	SW	SW	SW	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	11	11	10	8	8	6	6	11	9	10	13	13	11	12	9	9	9	9	6	6	6	7	6	5

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
82	68	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .66 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .48 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 4.0

Possible sunshine, hours, 14.0

Percentage of possible sunshine, 29

Prevailing direction NW

Total movement, 211

Average hourly velocity, 8.8

Maximum velocity,	Direction,	Time.
17	SW	Began 12.50 A.M.

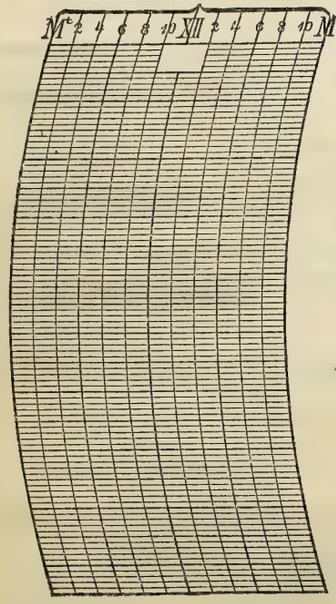
Extreme velocity, 17 - SW - 12.50 A.M.

Relative humidity, 94 a. m. / 75 p. m.

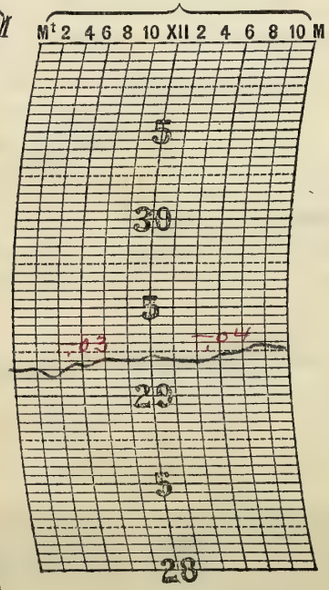
Reduced barometer, 30.06 a. m. / 30.10 p. m.

River gage, 2.2 ft.

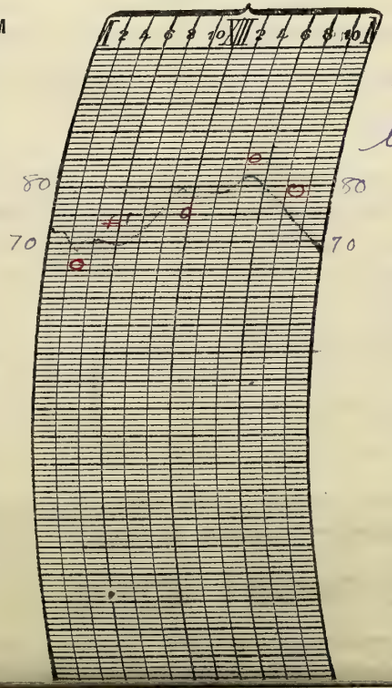
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

St. Cu. clouds prevailed during the day from 6.00 A.M. to 7.45 P.M.

Prepared by HSC.
Verified by PMCO.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 12 1916, 191

Time (local standard), 1 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	67	67	66	64	64	66	70	73	75	77	78	81	83	82	82	82	83	80	77	75	74	72	70
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←		Clear								Clear									→
Sunrise: Time, Character	4.48 Clear																				Sunset: Time, Character			6.44 Cloudy
Sunshine (in tenths of hours)					.20 0	1.0 0	0.6 0.2	0.8	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	0.7	0	0					
Wind direction	NW	N	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	NE	E	NE	NE	NE	NE	NW	NW	NW	NE	NE	N
Wind movement	4	6	7	7	7	6	6	8	7	8	7	7	5	4	6	5	3	1	3	3	4	6	6	8

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	83	64	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear! Moon phase,

Average daily cloudiness (0–10) 2.1

Actual sunshine, hours, 11.3

Possible sunshine, hours, 13.9

Percentage of possible sunshine, 81

Prevailing direction NE

Total movement, 134

Average hourly velocity, 5.6

Maximum velocity,	Direction.	Time.
11	NE	Began 9.01 AM

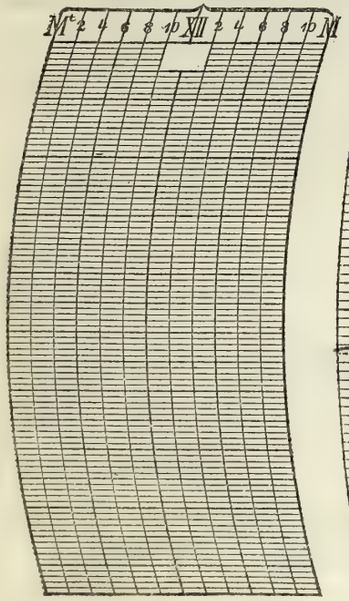
Extreme velocity, 11 NE 9.01 AM

Relative humidity, 70 a. m., 57 p. m.

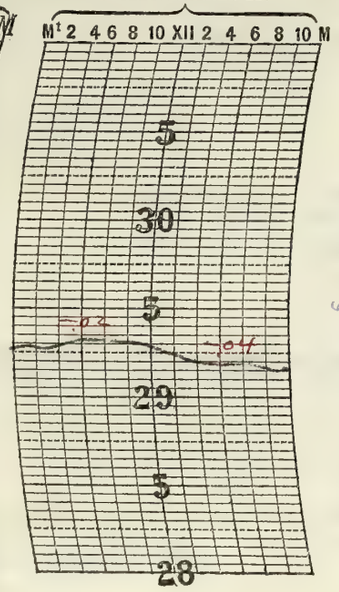
Reduced barometer, 30.22 a. m., 30.04 p. m.

River gage, 4.4 ft.

THERMOGRAPH.



BAROGRAPH.



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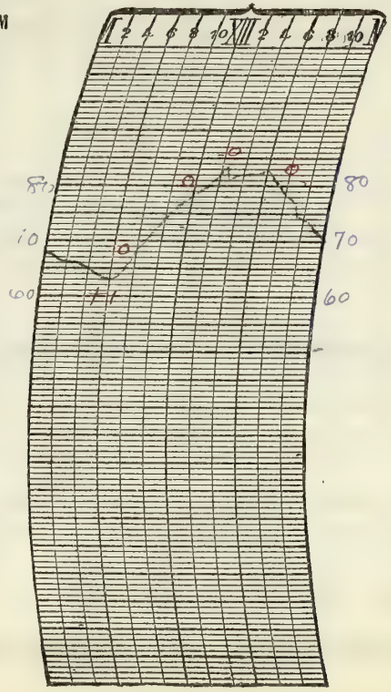


NOTES.

St. Cu. Clouds prevailed during the afternoon.

Prepared by JHR

Verified by C. M. O.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 13 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	67	66	62	60	59	59	60	63	65	67	69	71	72	74	73	72	71	70	66	64	62	59	57
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Cldy																			
Sunrise: Time, 4.49 Character, Cloudy																					Sunset: Time, 6.43 Character, Clear			
Sunshine (in tenths of hours)					0	0	0	0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	7.2 0					
Wind direction	N	N	N	N	N	NE	NE	NE	NE	NE	NE	N	NE	N	N	N	N	N	N	N	N	N	N	N
Wind movement	10	10	19	18	15	13	12	14	14	15	12	12	10	10	9	10	8	8	4	4	3	3	4	3
Maximum velocities (exceeding 24 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
74	57	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, Full Moon

Average daily cloudiness (0-10) 3

Actual sunshine, hours, 10.3

Possible sunshine, hours, 13.9

Percentage of possible sunshine, 74

Prevailing direction N

Total movement, 244

Average hourly velocity, 10.1

Maximum velocity, 24 Direction, N Time. Began 2.40 A

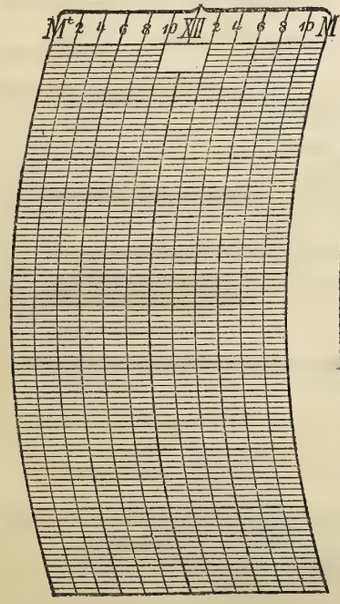
Extreme velocity, 24 - N - 2.40 A

Relative humidity, 74 a. m., 46 p. m.

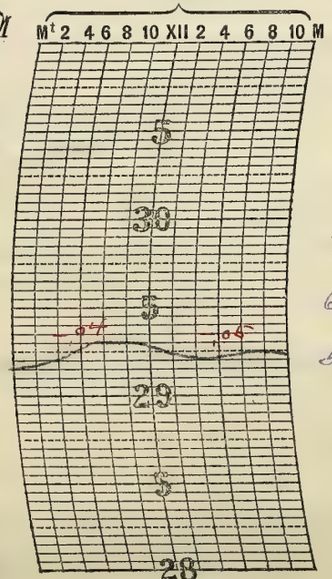
Reduced barometer, 30.17 a. m., 30.08 p. m.

River gage, 2.8 ft

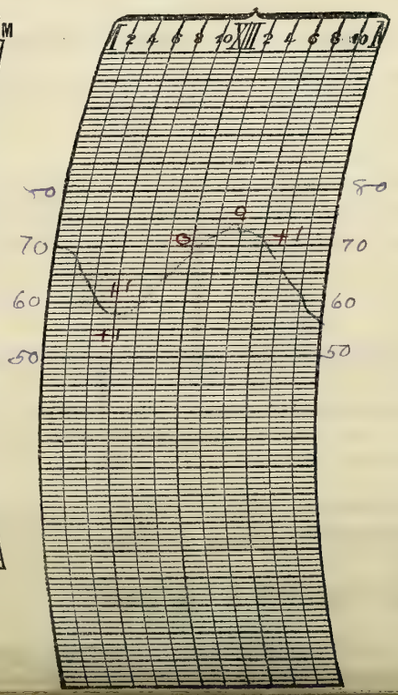
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.T.C.

Verified by P.M.G.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 14 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	55	54	54	60	58	62	68	71	72	73	74	75	77	77	75	74	73	71	70	69	68	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear												Cloudy								Cloudy			
Sunrise: Time, Character,	4.50 Cloudy																				Sunset: Time, Character,		6.41 Cloudy	
Sunshine (in tenths of hours)					0	0	0.2	0.3	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	0.4	0	0					
Wind direction	N	N	N	N	NE	NE	NE	E	SE	S	SW	SW	SW	SW	SW	SW	S	S	S	S	SE	S	SW	SW
Wind movement	4	6	3	4	4	3	4	4	4	6	8	8	8	[illegible]	[illegible]	7	[illegible]	[illegible]	4	4	[illegible]	[illegible]	[illegible]	[illegible]
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
77	52	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 8.6

Possible sunshine, hours, 13.8

Percentage of possible sunshine, 62

Prevailing direction SW

Total movement, 70

Average hourly velocity, 2.5.0

Maximum velocity,	Direction,	Time.
11	SW	Began 12.12 P.M.

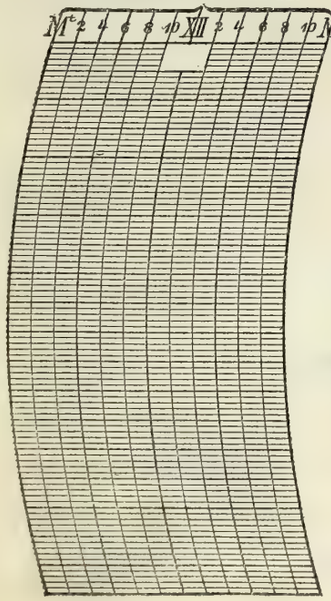
Extreme velocity, 11 SW 12.12 P.M.

Relative humidity, 72 a. m. 46 p. m.

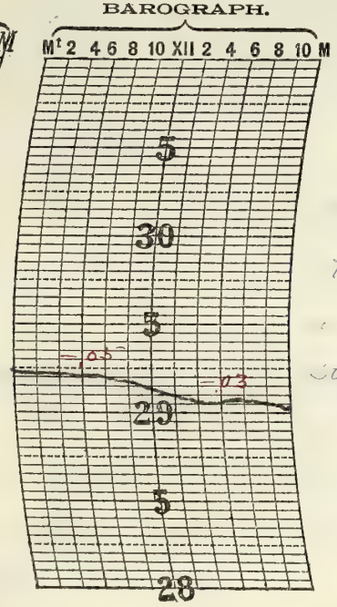
Reduced barometer, 30.07 a. m. 29.94 p. m.

River gage, 2.5 ft.

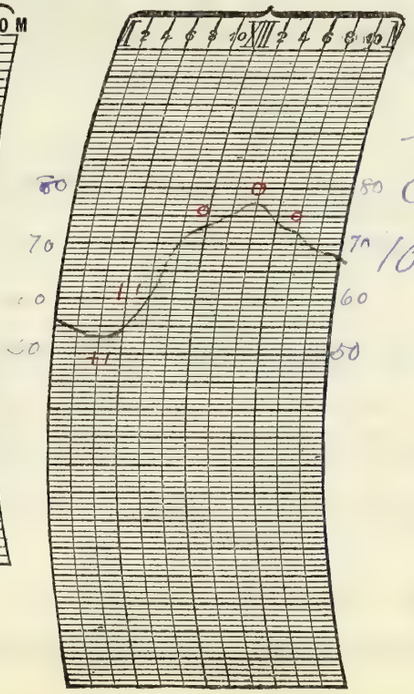
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci and Ci St clouds prevailed from 6.30 A.M. to 5:00 P.M.

A faint solar halo of 22° arc was observed from 10.00 A.M. to 2.00 P.M.

Prepared by

Verified by C. McD.

8-486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 15 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	65	63	63	62	65	67	69	72	73	75	76	78	77	78	77	76	74	73	72	71	71	70
State of weather: Nature of precipitation and time of beginning and ending												RB 11.55	RE 12.15											
Amounts of precipitation												.01	.01											
Cloudiness and other conditions				←			Cloudy									Cloudy								
Sunrise: Time, 4.51 Character, Cloudy																					Sunset: Time, 6.40 Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0	0	0.2	0.5	0.8	0.7	0.7	0	0.5	0	0	0					
Wind direction	SW	S	S	S	S	O	SE	S	E	SE	SE	S	S	SE	S	S	S	SW	SW	SW	S	S	S	SW	S
Wind movement	1	1	3	4	3	0	2	1	3	5	7	9	7	8	9	8	7	9	6	6	6	7	6	4
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	78	62	70	

Total depth of snow for 24 hours ending 7 p. m., ____ inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Cloudy Moon phase, ✓

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 3.4

Possible sunshine, hours, 13.8

Percentage of possible sunshine, 25

Prevailing direction S

Total movement, 121

Average hourly velocity, 5.0

Maximum velocity, 11 Direction, S Time. Began 2.24 P.M.

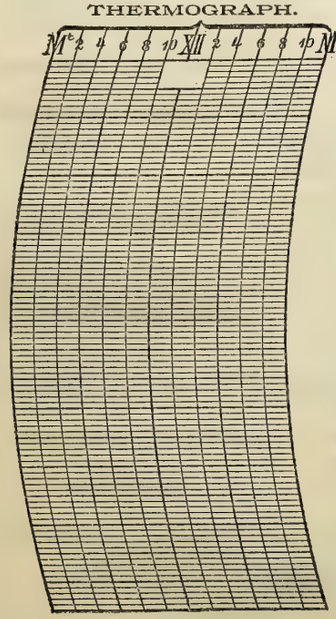
Extreme velocity, 11—S—2.24 P.M.

Relative humidity, 79 a. m. 80 p. m.

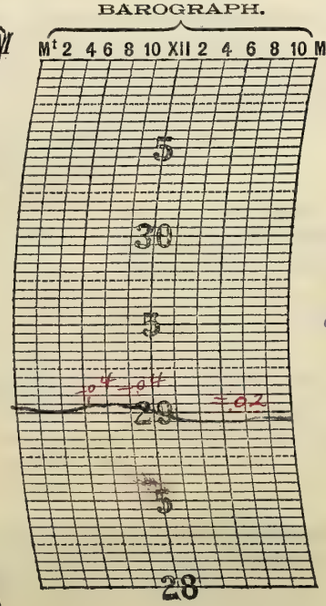
Reduced barometer, 29.88 a. m. 29.83 p. m.

River gage, 2.1 ft.

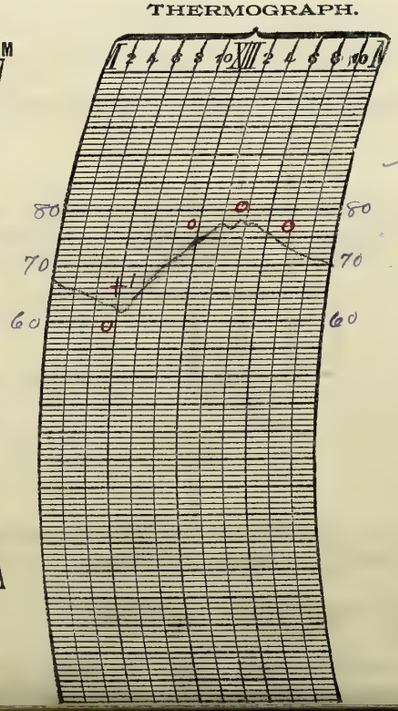
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The sun shone through openings in the clouds during the middle of the day.

Prepared by J.F.C.

Verified by J.M.L.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 16 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	70	69	69	69	69	70	71	74	77	78	80	84	86	87	88 87	86	84	81	79	76	74	72	71
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy						Pt Cldy					Clear						
Sunrise: Time, 4.52 Character, Cloudy																					Sunset: Time, 6.39 Character, Cloudy			
Sunshine (in tenths of hours)					0	0	0	0	0	0.8	0.7	0.8	0.7	1.0	1.0	1.0	0.7	0	0					
Wind direction	S	S	S	SW	W	W	N	N	NE	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N
Wind movement	4	7	4	5	4	2	4	4	3	3	5	4	5	5	5	5	6	5	4	3	3	4	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
88	69	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 6.7

Possible sunshine, hours, 13.8

Percentage of possible sunshine, 47

Prevailing direction NW

Total movement, 101

Average hourly velocity, 4.2

Maximum velocity, 8 Direction, NW Time. Began 2.34 PM

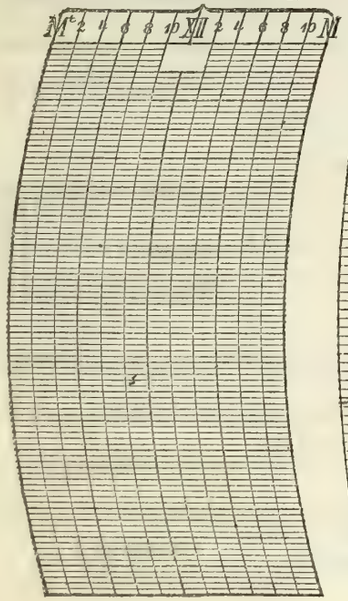
Extreme velocity, 8 – NW – 2.34 PM

Relative humidity, 90 a. m. 58 p. m.

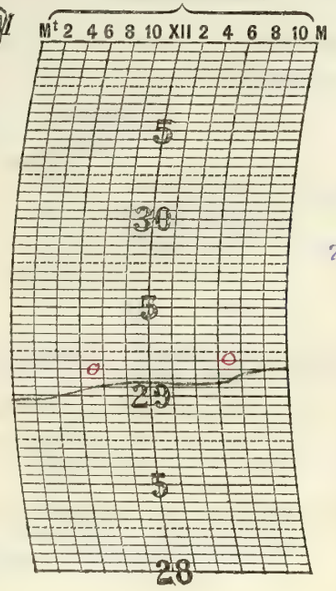
Reduced barometer, 29.95 a. m. 30.00 p. m.

River gage, 2.0 ft.

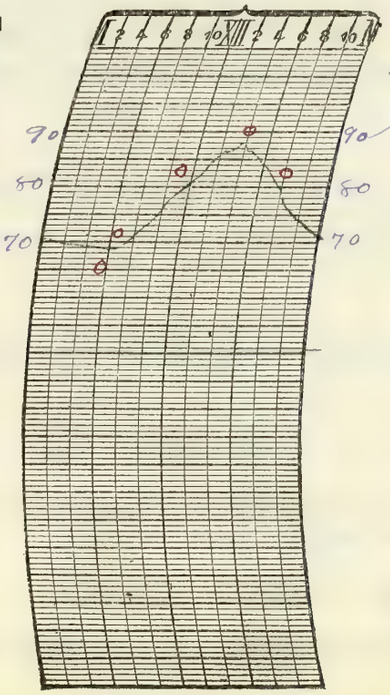
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Pt Cu. Clouds prevailed from 8-00 A.M. to 6-00 P.M.

Prepared by J.T.C.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) AUG 17 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	69	68	68	67	66 68	75	80	84	86	89
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			←				Clear					
Sunrise: Time, Character, 4.53 Clear												
Sunshine (in tenths of hours)					0	0	0	0.5	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	SW	SW	SW	S
Wind movement	5	5	3	3	1	2	1	1	4	7	7	7
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	90	91	90	87	88	85	83	81	78	77	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							→
Sunset: Time, Character, 6.37 Cloudy												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0	0					
Wind direction	SW	S	S	S	S	S	SE	SE	SE	S	S	S
Wind movement	8	8	6	4	7	5	4	5	2	4	3	3

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
91	66	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 11.7

Possible sunshine, hours, 13.7

Percentage of possible sunshine, 85

Prevailing direction S

Total movement, 110

Average hourly velocity, 4.6

Maximum velocity, 10 Direction, SW Time. Began 1.17 PM

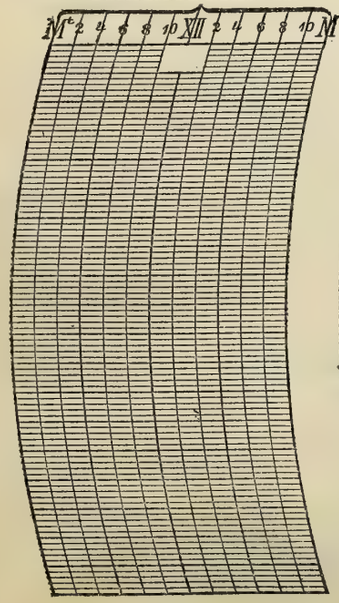
Extreme velocity, 10-SW-1.17 PM

Relative humidity, 85 a. m., 50 p. m.

Reduced barometer, 30.13 a. m., 30.08 p. m.

River gage, 2.0 ft

THERMOGRAPH.



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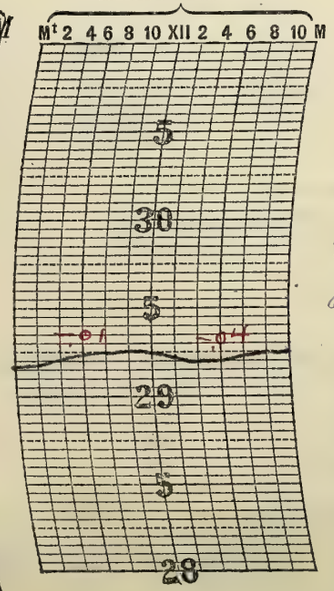
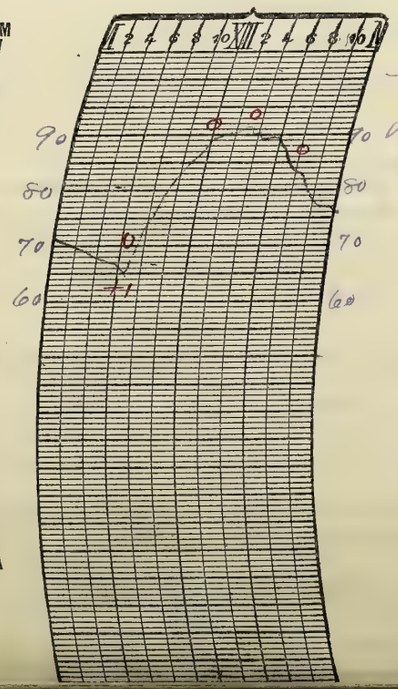


THERMOGRAPH.



NOTES.

Ci. clouds prevailed during the afternoon.

Prepared by JAC

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 18 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	75	74	72	69	71	75	75	78	82	85	78
State of weather: Nature of precipitation and time of beginning and ending											RB 10.50	
Amounts of precipitation											.10	.12
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)					0	0	0	0.2	0	0.5	0.6	0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	
Wind movement	6	5	3	6	5	3	5	8	7	8	8	6

Sunrise: Time, 4.54 Character, Cloudy

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	86	88	90	87	88	86	83	82	79	79	78
State of weather: Nature of precipitation and time of beginning and ending	RE 12.15											
Amounts of precipitation	.02											
Cloudiness and other conditions			Pt Cldy				Clear					
Sunshine (in tenths of hours)	0.4	1.0	1.0	1.0	0.6	0	0					
Wind direction	SW	SE	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	4	6	6	6	4	2	1	1	2	3	2

Sunset: Time, 6.36 Character, Cloudy

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
90	69	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .24 ins.

Total precipitation, midnight to midnight, .24 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 5.3

Possible sunshine, hours, 13.7

Percentage of possible sunshine, 39

Prevailing direction SW

Total movement, 111

Average hourly velocity, 4.6

Maximum velocity, 11 Direction, SW Time. Began 7 13 AM

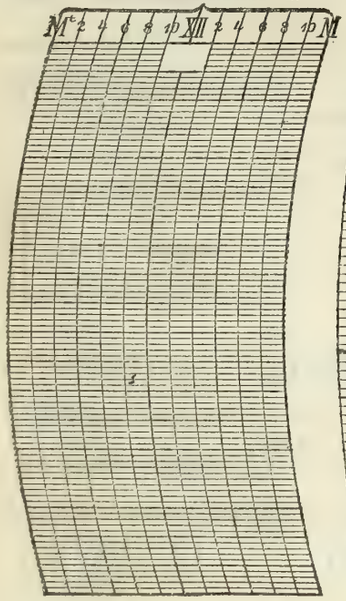
Extreme velocity, 11-SW-7 13 AM

Relative humidity, 70 a. m., 63 p. m.

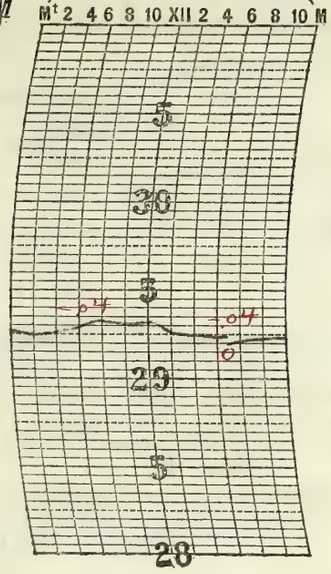
Reduced barometer, 30.18 a. m., 30.09 p. m.

River gage, 1.4 ft

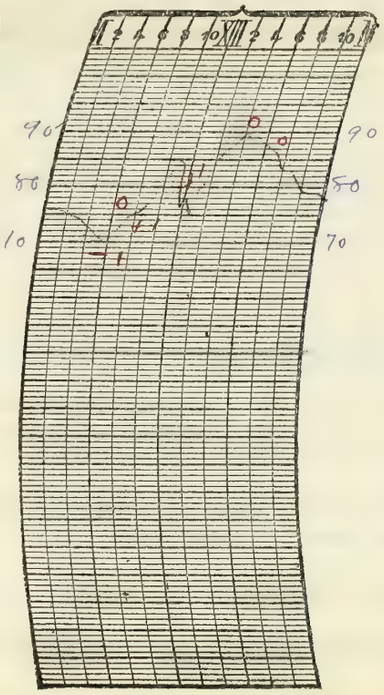
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The afternoon was very sultry.

Prepared by W.T.S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 1 1916 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	78	76	75	75	74	73	77	81	87	90	90	92	94	96 94	90	94	93	78	78	77	77	75	74	73
State of weather: Nature of precipitation and time of beginning and ending															RT3 2.10 RE 2.27			RT3 5.45	RE 6.10					
Amounts of precipitation															T			.03	.01					
Cloudiness and other conditions						Clear								× Pt	Cloudy				× Clear					
Sunshine (in tenths of hours)					0	0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.5	1.0	0.4	0	0					
Wind direction	O	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	SW	SW	SW	SW	E	SE	S	S	S	E	E
Wind movement	0	3	2	1	2	4	3	3	4	6	6	6	6	7	16	5	4	12	9	5	3	2	2	1

Sunrise: Time, 4.55 Character, Clear

Sunset: Time, 6.34 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
96	73	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 10.8

Possible sunshine, hours, 13.6

Percentage of possible sunshine, 79

Prevailing direction SW

Total movement, 107

Average hourly velocity, 4.5

Maximum velocity,	Direction,	Time.
27	SW	Began 2.14 PM

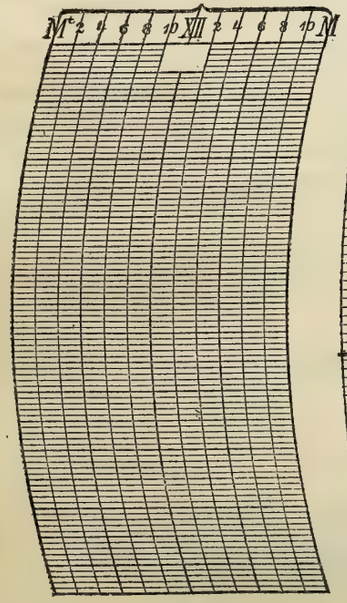
Extreme velocity, 28 SW 2.14 PM

Relative humidity, 89 a. m. 80 p. m.

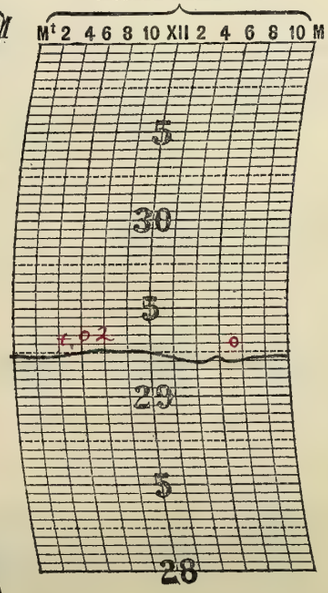
Reduced barometer, 30.19 a. m. 30.11 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



BAROGRAPH.



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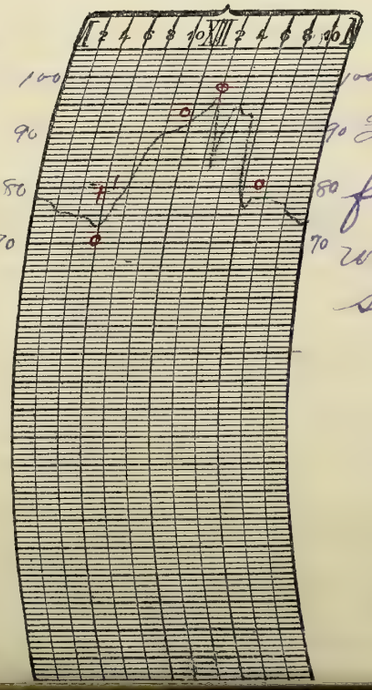


NOTES.

A light thunderstorm occurred from 2.10 P.M. to 2.27 P.M. and thunder was heard from 5.40 P.M. to 6.10 P.M. Moderate wind gusts attended each thunderstorm. The day was rather sultry.

Prepared by H.G.S.

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 20 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	72	73	72	72	74	81	87	92	93	95
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)					.07 0	1.0 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	SE	SE	SE	SE	SE	S	S	N	N	N	N
Wind movement	4	4	3	3	1	2	2	2	3	5	5	5

Sunrise: Time, 4.56 Character, Clear

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	96	96	96	95	94	92	89	86	85	82	81	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	0.7	0.3	1.0	0.4 0.6	1.0 0	.55 0					
Wind direction	N	NW	S	S	S	S	S	S	SW	SW	W	N
Wind movement	4	4	5	7	5	5	4	2	3	4	2	5

Sunset: Time, 6.33 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	96	72	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, Last Quarter

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 12.6

Possible sunshine, hours, 13.6

Percentage of possible sunshine, 93

Prevailing direction, S.

Total movement, 88

Average hourly velocity, 3.7

Maximum velocity, 9 Direction, S. Time. Began 3.06 PM

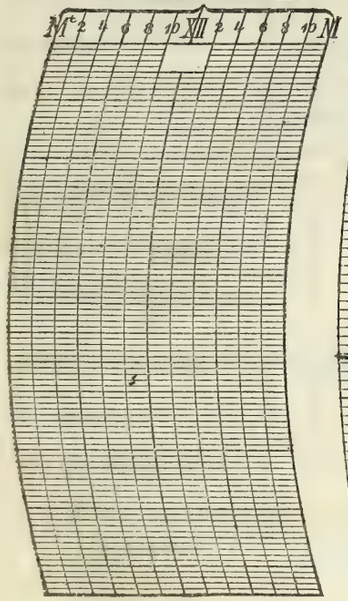
Extreme velocity, 9 - S - 3.06 PM

Relative humidity, 82 a. m., 62 p. m.

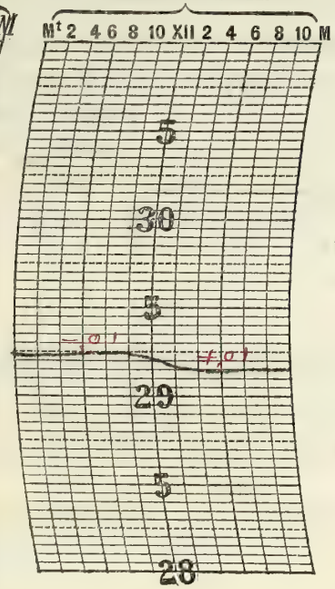
Reduced barometer, 30.13 a. m., 30.05 p. m.

River gage, 1.6 ft.

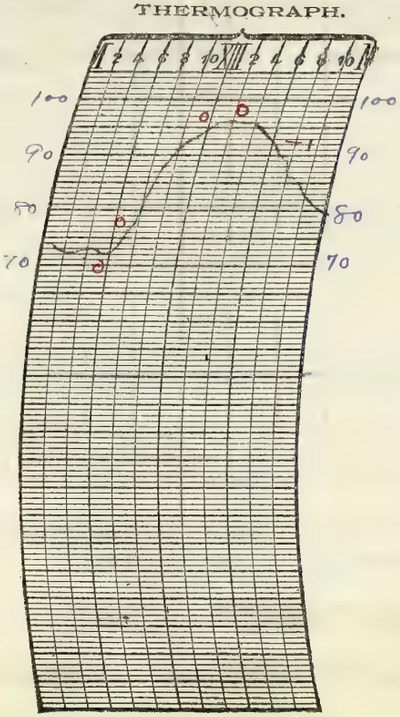
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was very sultry. Some St. Cu. clouds were observed during the day.

Prepared by H.T.S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 21 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	79	78	76	75	77	82	87	91	93	94	95	96	97	97	97	96	94	91	88	85	83	81	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear												Clear											
Sunrise: Time, Character,	4.57 Clear																				Sunset: Time, Character,			
Sunshine (in tenths of hours)					0	0	0	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0	0		6.31 Clear			
Wind direction	N	N	N	N	N	N	N	SW	SW	S	E	E	S	S	S	SW	SW	S	S	SW	SW	SW	SW	SW
Wind movement	5	4	3	1	2	2	1	3	3	5	5	4	9	6	6	5	5	4	4	6	7	8	7	9
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
97	75	86	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 13.6

Possible sunshine, hours, 13.6

Percentage of possible sunshine, 100

Prevailing direction SW

Total movement, 114

Average hourly velocity, 4.8

Maximum velocity,	Direction,	Time.
10	S	Began 11.23 P.M.

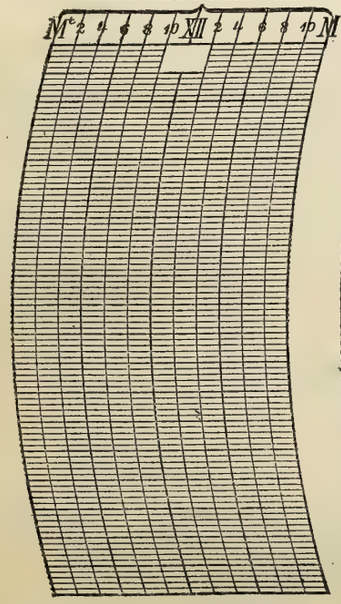
Extreme velocity, 10 - S - 11.23 P.M.

Relative humidity, 66 a. m., 53 p. m.

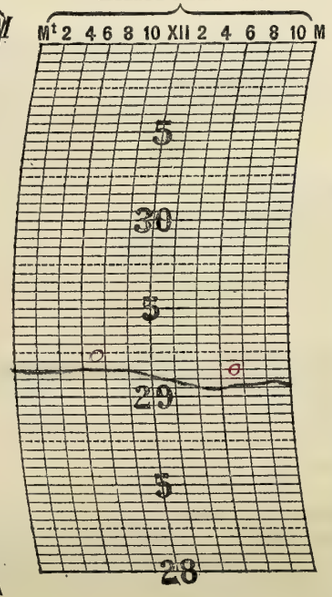
Reduced barometer, 30.03 a. m., 29.95 p. m.

River gage, 1.9 ft.

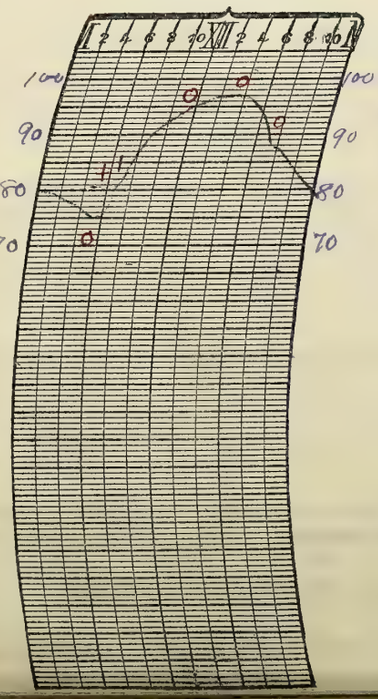
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

From Noon to sunset some ci clouds were observed.
The day was hot and very sultry.

Prepared by NTS.
Verified by

Form No. 1011—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	77	76	75	74	73	74	77	80	84	86	88	91	88	81	82	80	74	72	69	68	66	65	63
State of weather: Nature of precipitation and time of beginning and ending														RB 1.50	RE 2.15									
Amounts of precipitation														T	T									
Cloudiness and other conditions						Clear								X P.C.	X		Cloudy							
Sunshine (in tenths of hours)					0.3	1.0	1.0	1.0	0.2				1.0	0.5	0	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	8	9	8	9	9	10	10	11	10	11	10	13	12	12	9	13	16	13	10	12	10	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4.58 Character, Clear

Sunset: Time, 6.30 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
Temperature	91	63	77	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, P.Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 8.5

Possible sunshine, hours, 13.5

Percentage of possible sunshine, 63

Prevailing direction SW.

Total movement, 248

Average hourly velocity, 10.3

Maximum velocity, 20 Direction, NW Time. Began 5.32 P.M.

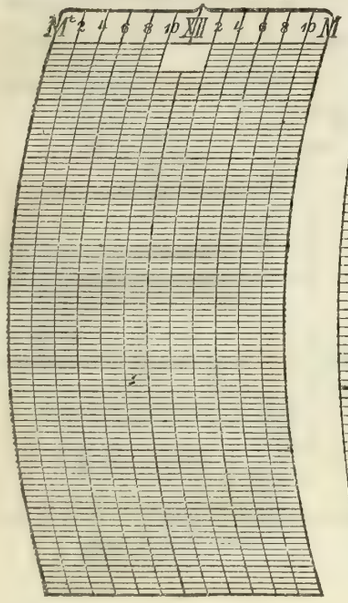
Extreme velocity, 20 - NW - 5.32 P.M.

Relative humidity, 78 a. m. 68 p. m.

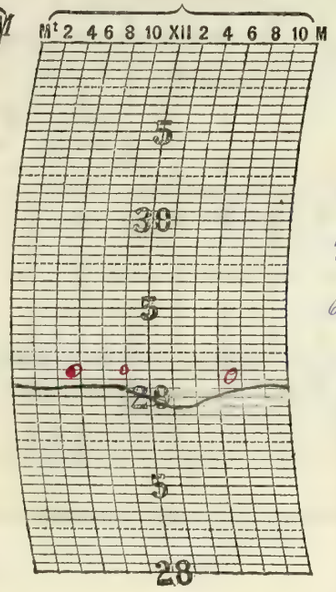
Reduced barometer, 29.97 a. m. 29.92 p. m.

River gage, 1.4 ft

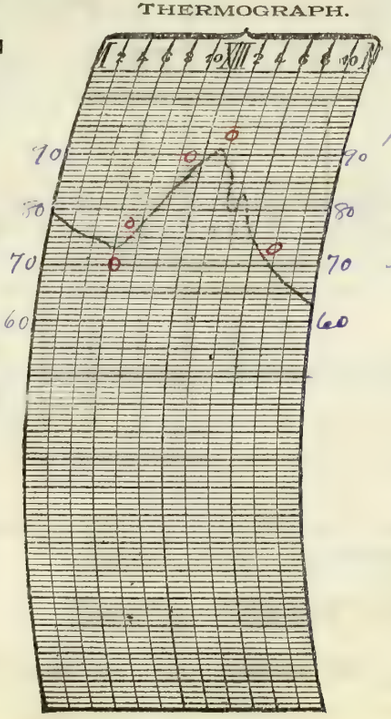
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze prevailed from 7.30 A.M. to 12.30 P.M.

Thunder was heard from 2.10 P.M. to 2.30 P.M.

Prepared by H.P.C.

Verified by [illegible]

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 23 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	61	60	57	58	58	60	64	67	69	71	74
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				←			Clear					
Sunrise: Time, Character,	4.59 Clear											
Sunshine (in tenths of hours)					.02 0	1.0 0	1.0 0	.01 0.9	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N
Wind movement	8	9	8	5	7	7	6	8	11	11	11	11

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	75	76	76	77	76	74	72	69	68	66	63	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear								
Sunset: Time, Character,									6.28 Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.4 0.6	1.0 0	.47 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	10	11	11	11	10	8	4	2	2	2	2	1

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
77	58	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 13.5

Possible sunshine, hours, 13.5

Percentage of possible sunshine, 100

Prevailing direction NW

Total movement, 176

Average hourly velocity, 7.3

Maximum velocity,	Direction,	Time.
15	NW	Began 10.51 AM

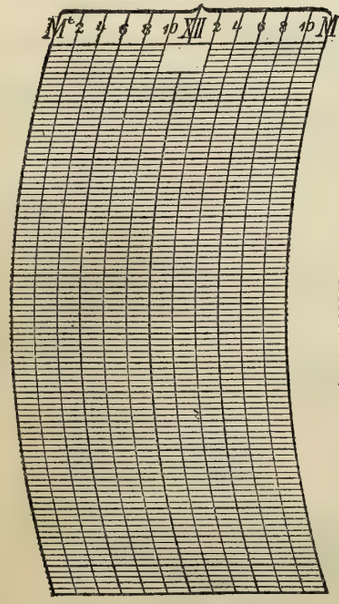
Extreme velocity, 15 NW – 10.51 AM

Relative humidity, 83 a. m. 52 p. m.

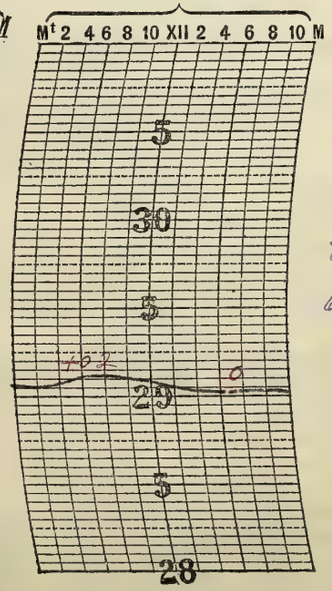
Reduced barometer, 30.07 a. m. 29.96 p. m.

River gage, 1.9 ft

THERMOGRAPH.



BAROGRAPH.



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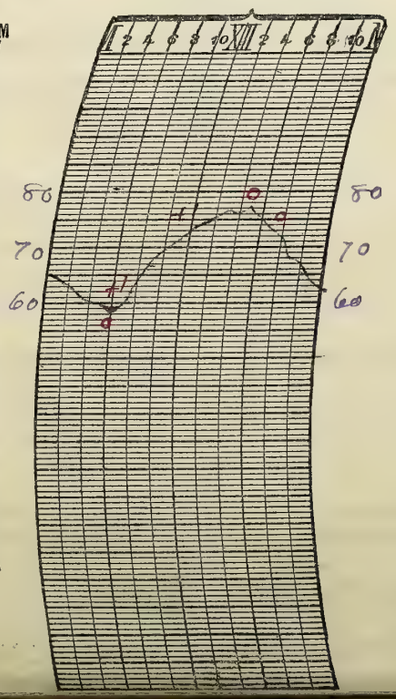


NOTES.

Prepared by J.A.S.C.

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible] Indg., (Day of week) Thursday, (Date) AUG 24 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	59	58	57	56	57	60	65	70	77	80	82	82	83	84	84	84	82	79	75	73	71	70	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear														× Pt Cloudy									
Sunrise: Time, Character,	5.00 Clear																				Sunset: Time, Character, 6.27 Clear			
Sunshine (in tenths of hours)						1.00 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	0.8	0.8	0.9	0.4	0.3 0.7	1.0 0	.45 0					
Wind direction	NW	NW	NW	NW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	SW	SW	SW	W
Wind movement	1	2	2	3	4	6	8	10	10	11	13	13	13	13	14	14	14	9	7	7	8	6	7	5
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
84	56	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 3

Actual sunshine, hours, 12.4

Possible sunshine, hours, 13.4

Percentage of possible sunshine, 93

Prevailing direction SW

Total movement, 200

Average hourly velocity, 8.3

Maximum velocity, 19 Direction, SW Time. Began 3.06 PM

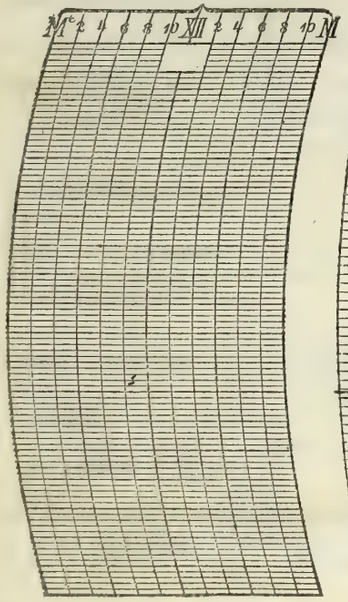
Extreme velocity, 19-SW-3.06 P.M.

Relative humidity, 71 a. m. 44 p. m.

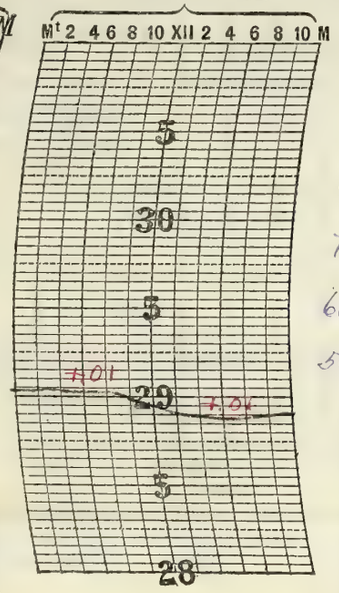
Reduced barometer, 29.96 a. m. 29.81 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



BAROGRAPH.



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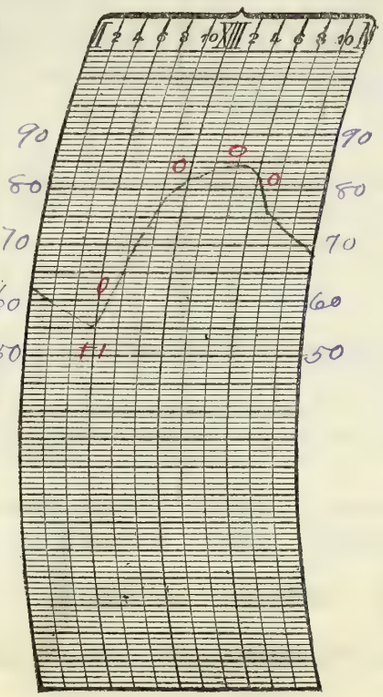


NOTES.

St. Cu. clouds were observed from 8.30 A.M. to 6.45 P.M.

Prepared by N.G.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) AUG 25 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	66	64	64	63	62	[illegible]	70	73	77	79	80	81	83	83	83	82	77	[illegible]	71	69	69	67	65
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				Clear							P.C.		Clear											
Sunshine (in tenths of hours)						1.00 0	1.0 0	0.3 0.7	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.0	0.2 0.7	1.0 0	.42 0					
Wind direction	W	NW	N	N	N	N	N	NE	E	SE	SW	W	W	SW	W	W	W	NW	NW	NW	N	N	N	O
Wind movement	4	5	8	4	4	5	4	3	4	3	6	6	10	8	9	9	11	9	8	7	3	3	1	0

Sunrise: Time, 5.00 Character, Clear

Sunset: Time, 6.25 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
83	62	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 13.1

Possible sunshine, hours, 13.4

Percentage of possible sunshine, 98

Prevailing direction N

Total movement, 134

Average hourly velocity, 5.6

Maximum velocity, 13 Direction, W Time. Began 2.42 P.M.

Extreme velocity, 13 - W - 2.42 P.M.

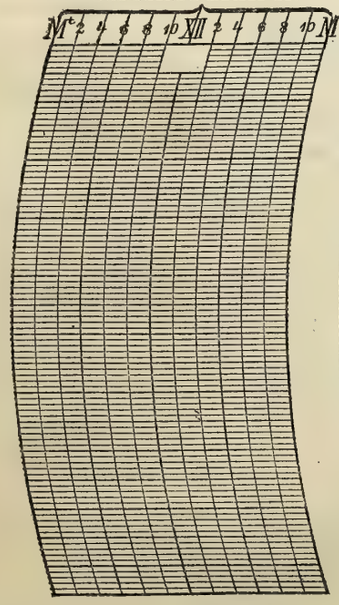
Relative humidity, 75 a. m., 42 p. m.

Reduced barometer, 29.91 a. m., 29.89 p. m.

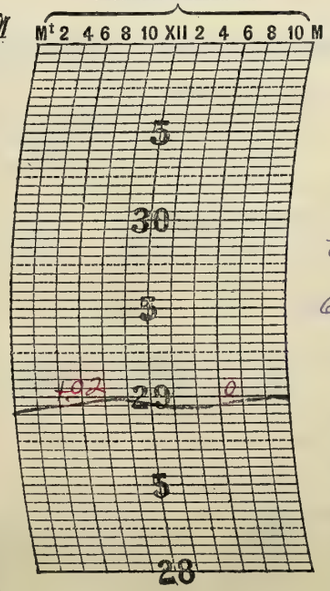
River gage, 2.0 ft.

NOTES.

THERMOGRAPH.



BAROGRAPH.



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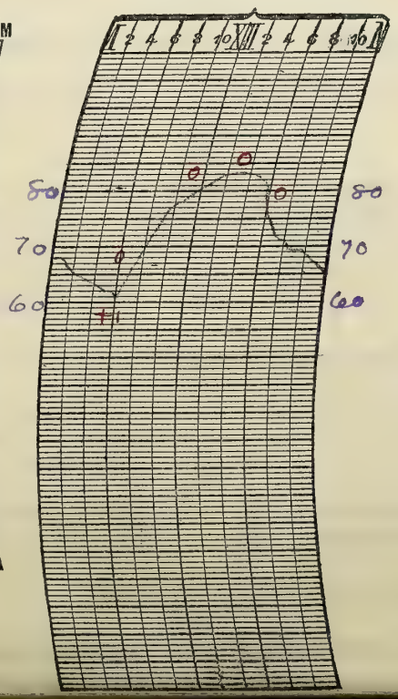


Prepared by J.H.C.

Verified by

Form No. 1014—Met 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 26 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	61	60	61	60	60	63	65	69	75	76	76	75	75	78	80	79	77	75	71	68	64	62	61
State of weather: Nature of precipitation and time of beginning and ending													RB 12.20 RE 2.40								RB 8.30			
Amounts of precipitation													T								T	.01	.08	.04
Cloudiness and other conditions					←			Cloudy							× P.C. ×		Clear ×			Pt Cldy →				
Sunrise: Time, 5.02 Character, Cloudy																					Sunset: Time, 6.24 Character, Cloudy			
Sunshine (in tenths of hours)						0	0	0	0	0.5	0	0	0	0	0.4	1.0	0.5	0	0					
Wind direction	N	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	NW	W	SW	SW	SW	SW	SW	NW	N	N	N	NE
Wind movement	3	4	5	3	4	5	6	5	3	5	4	4	5	5	4	8	7	6	3	5	7	10	10	6
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
80	60	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .13 inches.

Character of day, Cloudy Moon phase

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 2.4

Possible sunshine, hours, 13.4

Percentage of possible sunshine, 18

Prevailing direction SW

Total movement, 129

Average hourly velocity, 5.4

Maximum velocity, 14 Direction, N Time. Began 10.17 PM

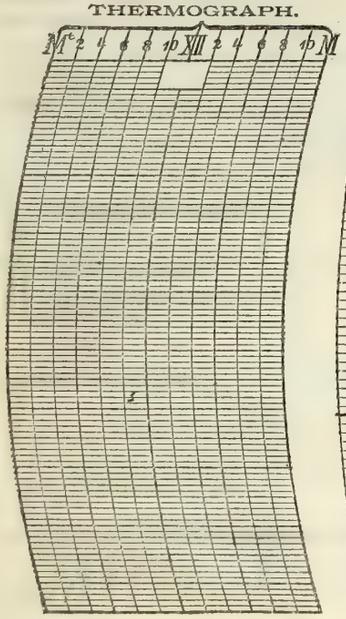
Extreme velocity, 14 - N - 10.17 PM

Relative humidity, 90 a. m. 54 p. m.

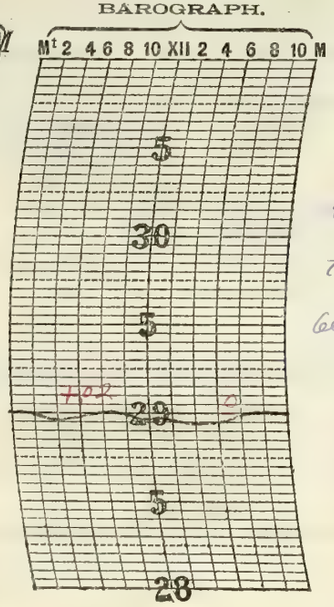
Reduced barometer, 29.92 a. m. 29.87 p. m.

River gage, 2.0 ft.

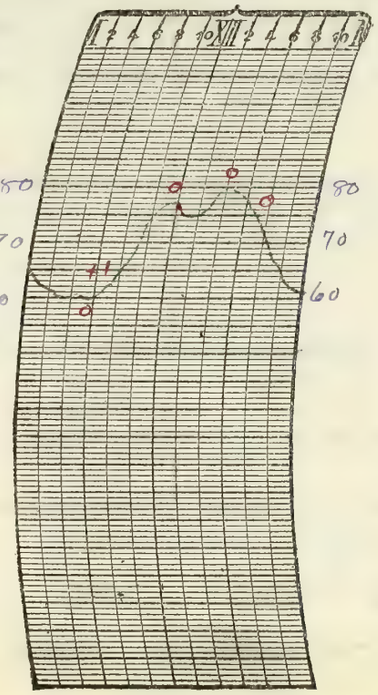
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by HJC.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 27 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	59	59	59	58	58	61	64	67	68	70	72	71	71	70	68	67	66	63	62	60	59	58
State of weather: Nature of precipitation and time of beginning and ending	RE DN																							
Amounts of precipitation	02																							
Cloudiness and other conditions	← Cldy × Clear × Pt Cldy × Cloudy →																							
Sunshine (in tenths of hours)						0	0	0.8	1.0	1.0	1.0	1.0	1.0	0.7	0.6	0	0	0	0					
Wind direction	N	N	N	N	NW	N	NE	NE	NE	NE	NE	NE	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	7	8	6	4	5	10	9	11	10	12	10	9	8	7	7	6	5	6	6	9	7	5	5	4

Sunrise: Time, 5.03 Character, Cloudy

Sunset: Time, 6.22 Character, Cloudy

Maximum velocities (exceeding 25 miles) direction and time

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
72	58	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .15 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Pt Cloudy Moon phase, ✓

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 7.1

Possible sunshine, hours, 13.3

Percentage of possible sunshine,

Prevailing direction N

Total movement, 176

Average hourly velocity, 7.3

Maximum velocity, 15 Direction, N Time. Began 9.33 AM

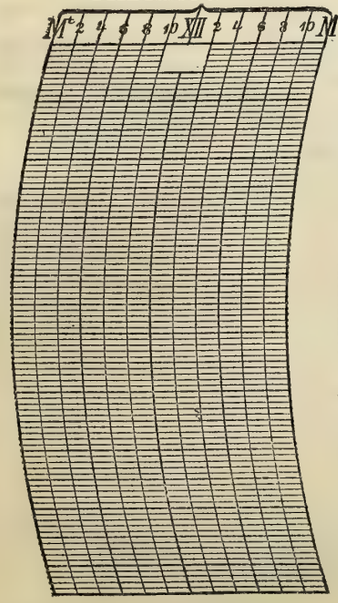
Extreme velocity, 15 — N — 9.33 AM

Relative humidity, 86 a. m. / 49 p. m.

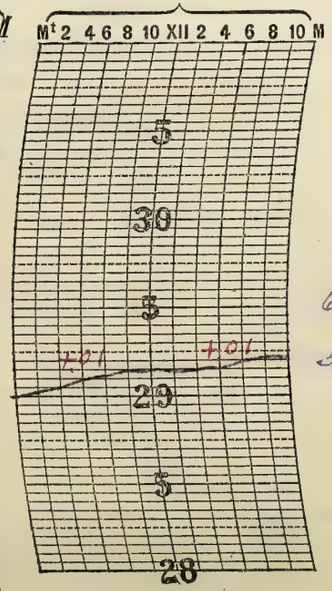
Reduced barometer, 30.03 a. m. / 30.09 p. m.

River gage, 2.0 ft

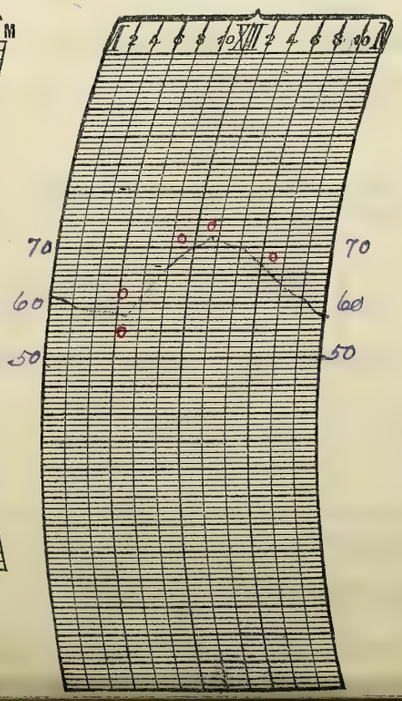
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by HPC.

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 28 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	57	54	54	53	52	52	56	61	64	66	68	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunrise: Time, 5.04 Character, Clear												
Sunshine (in tenths of hours)						.9 0	.7 .3	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	NE	NE	N	NE
Wind movement	4	5	4	3	4	3	5	4	5	5	5	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	72	72	73	74	73	72	73	67	64	62	58	5
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 6.21 Character, Clear												
Sunshine (in tenths of hours)	1.0	0.8	1.0	1.0	0.5 .5	1.0 0	.35 0					
Wind direction	N	NW	NW	N	NW	NW	NW	SW	S	S	S	SW
Wind movement	5	4	5	5	5	3	1	5	4	5	5	5
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

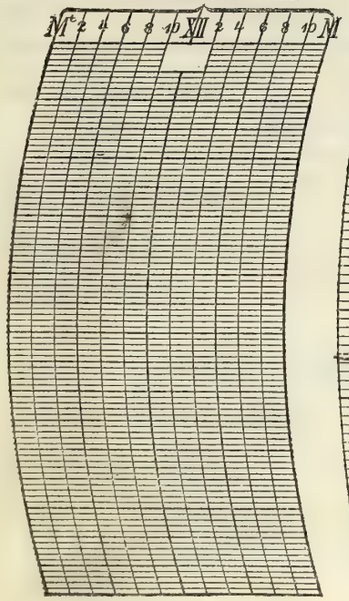
Maximum.	Minimum.	Mean.	Normal.
74	52	63	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New Moon 11 23
Average daily cloudiness (0–10) 1
Actual sunshine, hours, 13.1
Possible sunshine, hours, 13.3
Percentage of possible sunshine, 98
Prevailing direction N
Total movement, 104
Average hourly velocity, 4.3

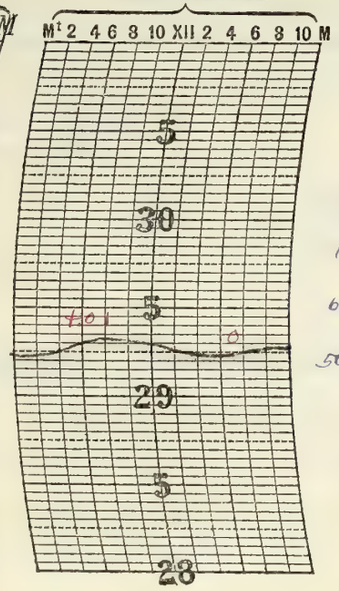
Maximum velocity,	Direction,	Time.
7	NW	Began 2.01 PM

Extreme velocity, 7 – NW – 2.01 PM
Relative humidity, 66 a. m., 39 p. m.
Reduced barometer, 30.24 a. m., 30.18 p. m.
River gage, 2.0 ft

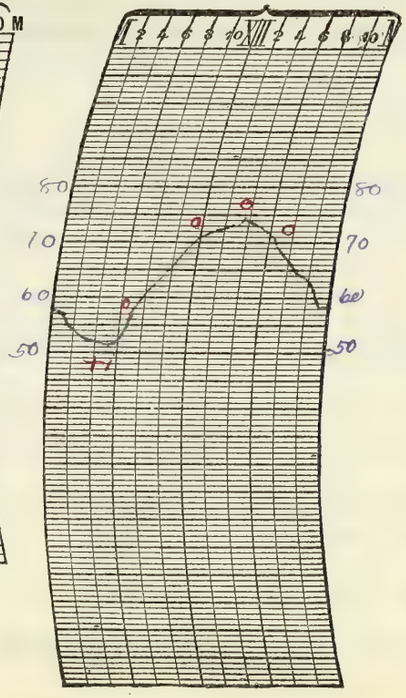
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

× Estimated, thermograph clock stopped.

Prepared by JAC
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 29 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	53	53	53	55	57	61	65	69	72	75
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunrise: Time, Character,	5.04 Clear											
Sunshine (in tenths of hours)						.93 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0
Wind direction	SW	SW	S	S	S	S	S	S	SW	SW	SW	S
Wind movement	5	5	5	8	8	5	6	6	6	8	7	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	77	78	77	76	74	72	70	67	65	62	61
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunset: Time, Character,									6.19 Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6 0.4	1.0 0	.32 0					
Wind direction	S	S	S	SW	SW	SW	S	S	S	S	S	S
Wind movement	9	8	9	8	10	8	6	5	7	5	7	6

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
78	53	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) Heavy

Actual sunshine, hours, 13.2

Possible sunshine, hours, 13.2

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 165

Average hourly velocity, 6.9

Maximum velocity, 12 Direction, SW Time. Began 2.[illegible] PM

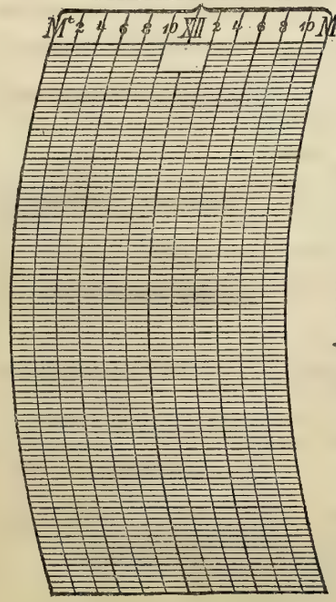
Extreme velocity, 12 SW – 2.44 PM

Relative humidity, 56 a. m. 41 p. m.

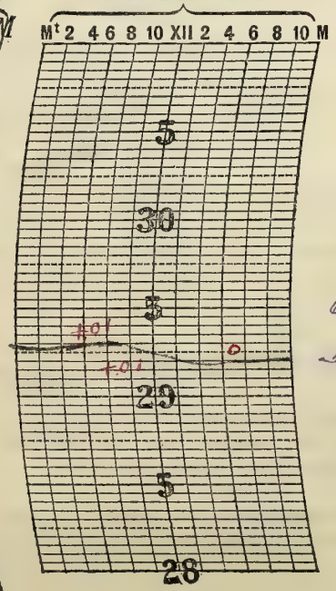
Reduced barometer, 30.23 a. m. 30.10 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



BAROGRAPH.



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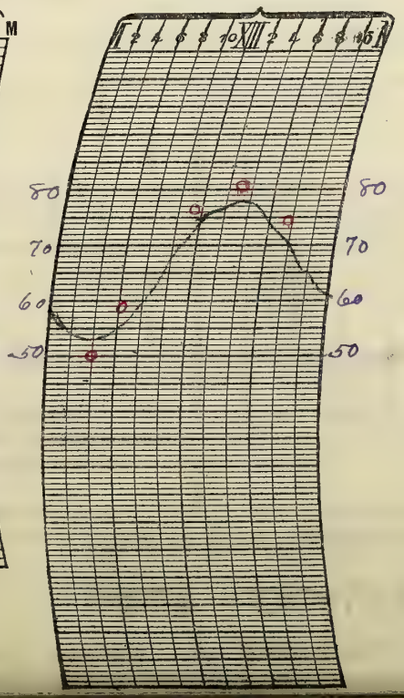


NOTES.

Estimated. thermograph clock stopped.

Prepared by J.F.C.

Verified by Rimes

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG 30 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	59	58	57	56	56	58	61	68	74	77	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)						.92	1.0	0.8				
						0	0	0.2	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	SW	SW	SW	W	W	W
Wind movement	7	8	7	9	7	7	9	7	4	11	10	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	82	83	83	82	82	81	77	75	73	71	68	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)					0.6	1.0	.28					
	1.0	1.0	1.0	1.0	0.4	0	0					
Wind direction	W	W	W	NW	NW	W	W	W	W	W	SW	SW
Wind movement	12	9	11	10	9	5	5	5	7	6	6	8

Clear

Sunrise: Time, 5.05; Character, Clear

Sunset: Time, 6.17; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	83	56	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 13.2

Possible sunshine, hours, 13.2

Percentage of possible sunshine, 100

Prevailing direction W.

Total movement, 144

Average hourly velocity, 81

Maximum velocity, 13 Direction, NW Time, Began 2.34 P.M.

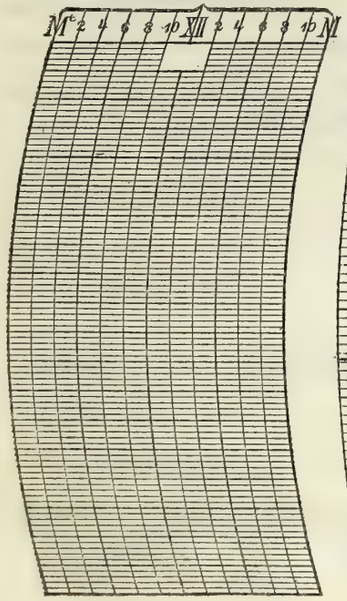
Extreme velocity, 13 — NW — 2.34 P.M.

Relative humidity, 77 a. m. 49 p. m.

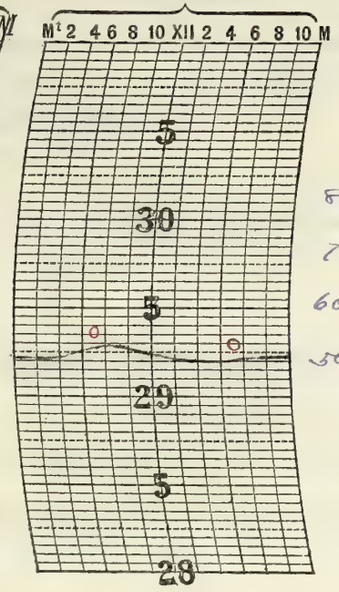
Reduced barometer, 30.19 a. m. 30.11 p. m.

River gage, 1.9 ft.

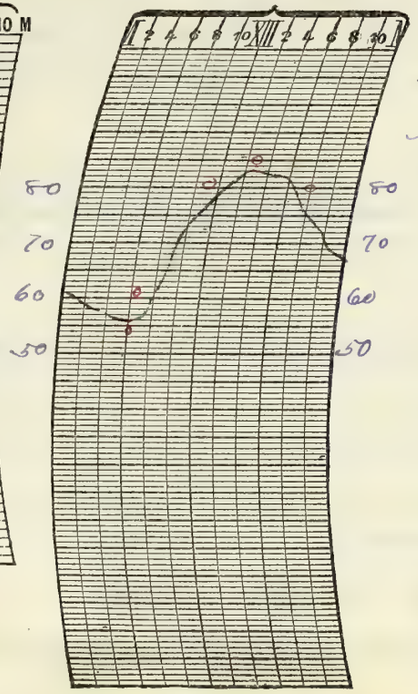
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some St. Cu. clouds prevailed during the middle of the day

Prepared by J.H.S.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Thursday, (Date) AUG 31 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	64	62	61	61	60	63	66	73	78	81	83	83	84	84	84	84	82	77	76	74	72	71	69
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear							Pt Cldy					Cldy				Pt Cldy							
Sunrise: Time, 5.07 Character, Clear																								
Sunset: Time, 6.16 Character, Cloudy																								
Sunshine (in tenths of hours)						.88 0	1.0 0	0.6 0.4	1.0	1.0	1.0	0.9	1.0	0.5	0.7	0.5	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	S	SW	SW	S	S	S	S	S	S	S	S	S
Wind movement	7	8	7	7	7	7	6	8	8	13	16	17	16	12	14	10	11	9	9	8	8	7	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	84	60	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 9.5

Possible sunshine, hours, 13.2

Percentage of possible sunshine, 72

Prevailing direction SW

Total movement, 226

Average hourly velocity, 9.4

Maximum velocity, 19 Direction, S Time. Began 11.35 AM

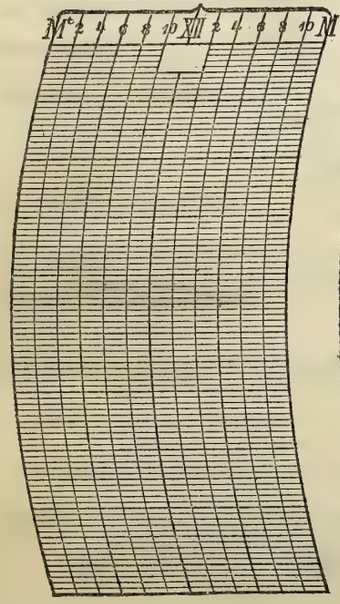
Extreme velocity, 19 - S - 11.35 AM

Relative humidity, 74 a. m. 42 p. m.

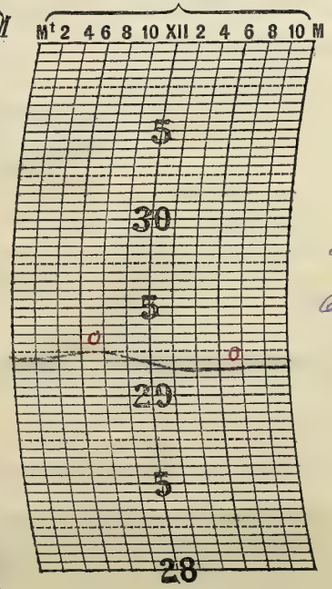
Reduced barometer, 30.17 a. m. 30.05 p. m.

River gage, 1.9 ft

THERMOGRAPH.



BAROGRAPH.



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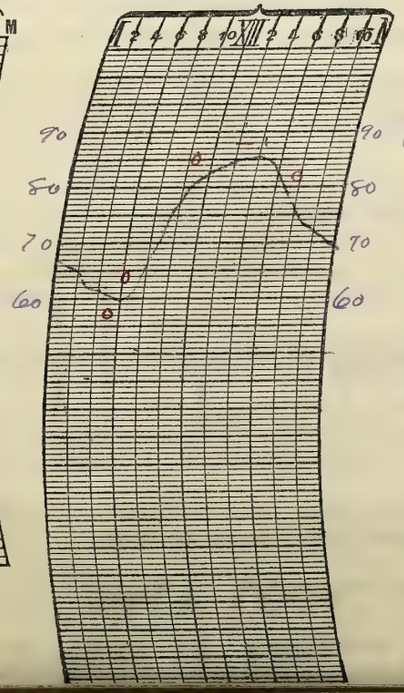


NOTES.

ci. clouds were observed from 8.00 A.M. to 7.30 P.M.

Prepared by J.F.C.

Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Friday, (Date) SEP 1 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	68	67	67	66	66	68	68	69	71	73	75	76	76	77	76	75	74	72	69	68	66	66	66
State of weather: Nature of precipitation and time of beginning and ending					RB DN			RE																
Amounts of precipitation					.01	T	.01	T																
Cloudiness and other conditions			←				Cloudy								Cloudy									
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Wind direction	S	S	S	S	S	SW	SW	SW	SW	W	W	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	6	7	7	6	4	6	4	4	5	2	4	7	7	11	12	11	10	9	8	8	10	7	5

Sunrise: Time, 5.08; Character, Cloudy

Sunset: Time, 6.14; Character, Cloudy

Maximum velocities (exceeding 24 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
77	66	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0

Possible sunshine, hours, 13.1

Percentage of possible sunshine, 0

Prevailing direction SW

Total movement, 168

Average hourly velocity, 7.0

Maximum velocity, 15 Direction, SW Time. Began 3.23 PM

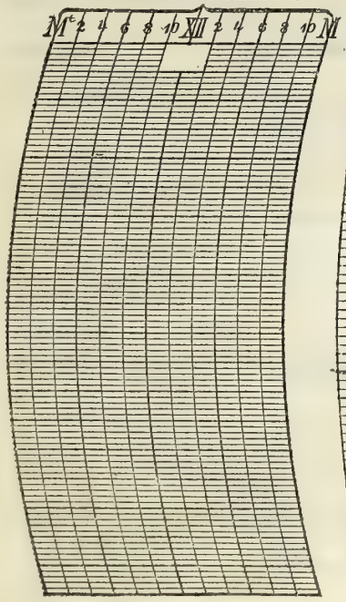
Extreme velocity, 15 - SW - 3.23 PM.

Relative humidity, 69 a. m. 67 p. m.

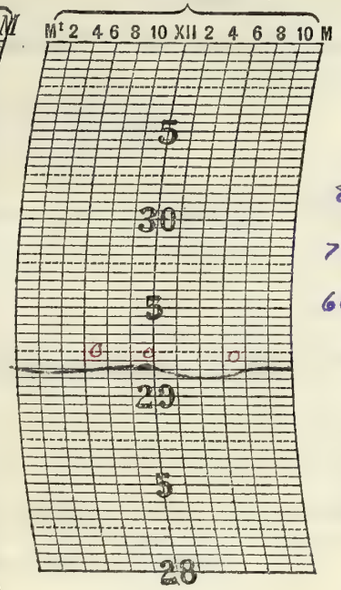
Reduced barometer, 30.04 a. m. 30.04 p. m.

River gage, 1.9 ft.

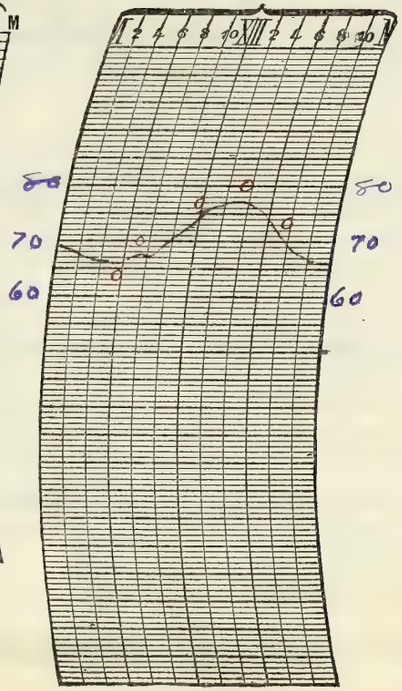
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by [illegible]

Verified by P. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 2 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	66	66	65	65	65	61	60	61	63	66
State of weather: Nature of precipitation and time of beginning and ending							RB 6.10	RE 730				
Amounts of precipitation							T	T				
Cloudiness and other conditions						Cloudy					×P.C.	
Sunshine (in tenths of hours)						0	0	0	0	0	0.5	1.0
Wind direction	SW	SW	SW	SW	SW	NW	NE	NE	NE	NE	NE	NE
Wind movement	5	6	5	5	4	2	9	15	14	14	11	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	74	73	73	71	68	66	62	60	58	56	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×			Clear								
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0	0					
Wind direction	NE	NE	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	9	9	7	7	9	8	6	7	7	4	6	3

Sunrise: Time, 5.09 Character, Cloudy

Sunset: Time, 6.12 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	74	54	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt. Cloudy Moon phase

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 7.7

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 59

Prevailing direction NE

Total movement, 183

Average hourly velocity, 7.6

Maximum velocity, 19 Direction, NE Time. Began 7.05 AM

Extreme velocity, 20-NE-7.06 AM

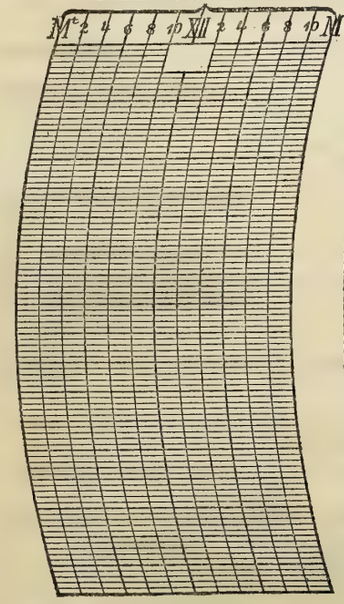
Relative humidity, 92 a. m., 36 p. m.

Reduced barometer, 30.17 a. m., 30.27 p. m.

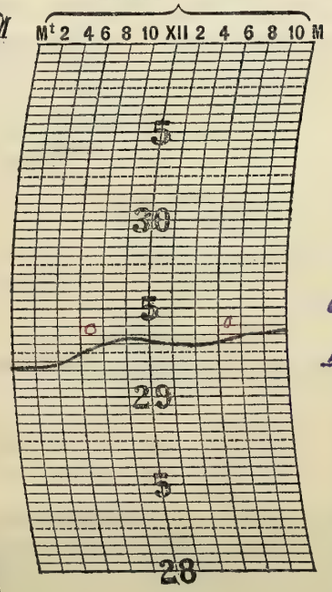
River gage, 1.9 ft

NOTES.

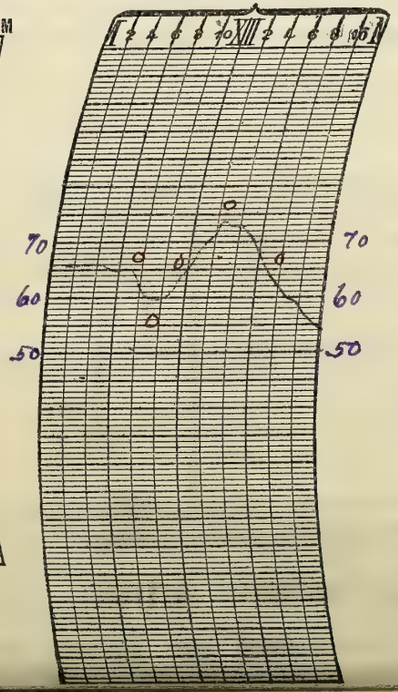
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by J.H.C.
Verified by F. Mead

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 3 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	51	50	48	47	50	52	62	66	68	71	74	75	76	77	76	76	75	73	69	67	65	63	61
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunshine (in tenths of hours)						.83 0	1.0 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	1.0 0	.18 0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	S	SE	SE	S
Wind movement	4	2	4	4	3	2	3	6	11	8	6	7	7	7	7	6	6	5	1	7	8	7	7	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.10; Character, Clear

Sunset: Time, 6.11; Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
77	47	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) Fair

Actual sunshine, hours, 13.0

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 100

Prevailing direction SE

Total movement, 134

Average hourly velocity, 5.6

Maximum velocity,	Direction,	Time.
13	SE	Began 8.44 AM.

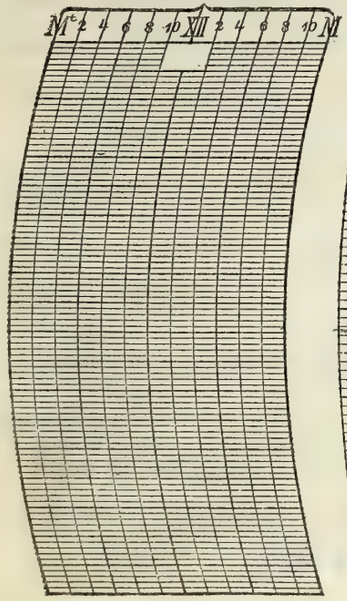
Extreme velocity, 13 SE 8.44 AM.

Relative humidity, 73 a. m., 40 p. m.

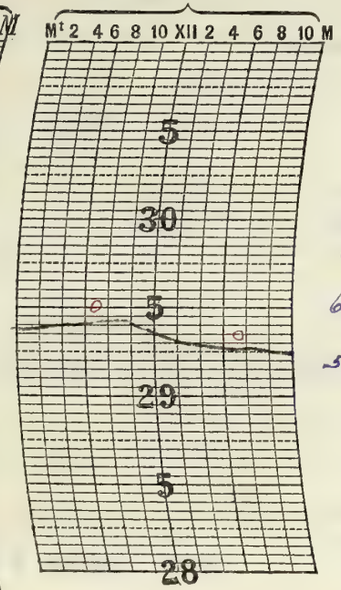
Reduced barometer, 30.34 a. m., 30.19 p. m.

River gage, 1.9 ft

THERMOGRAPH.



BAROGRAPH.



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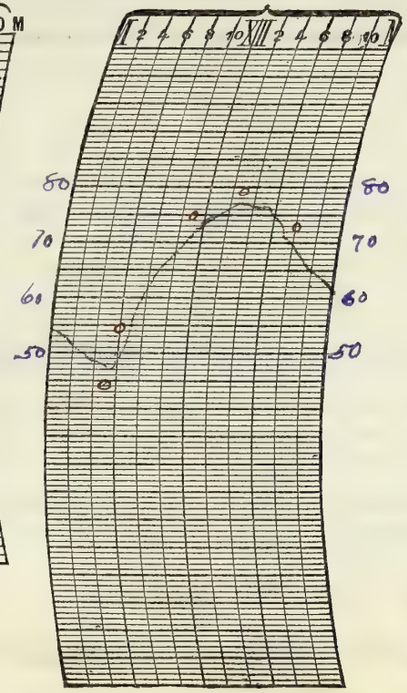


NOTES.

Prepared by W.G.C.

Verified by P.M.S.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 4 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	58	57	56	55	57	67	74	78	81	83	85	86	85	85	85	84	80	78	77	75	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear							*		Pt Cloudy							*		Clear					
Sunrise: Time, Character,	5.11 Clear																				Sunset: Time, Character, 6.09 Cloudy			
Sunshine (in tenths of hours)						0.82	1.0	0.5																
						0	0	0.2	0.5	0.8	0.9	1.0	1.0	1.0	0.1	0.6	0.3	0	0					
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW
Wind movement	6	6	4	3	5	4	7	10	12	12	15	16	16	16	18	14	10	5	7	11	9	11	16	12
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
86	55	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase, First Quarter 10 p. m.

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 8.7

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 67

Prevailing direction SW,

Total movement, 239

Average hourly velocity, 10.0

Maximum velocity,	Direction,	Time.
20	SW	Began 2.20 PM

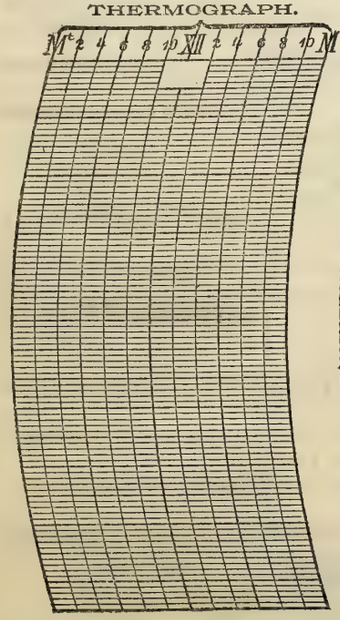
Extreme velocity, 20 - SW - 2.21 PM

Relative humidity, 70 a. m. 57 p. m.

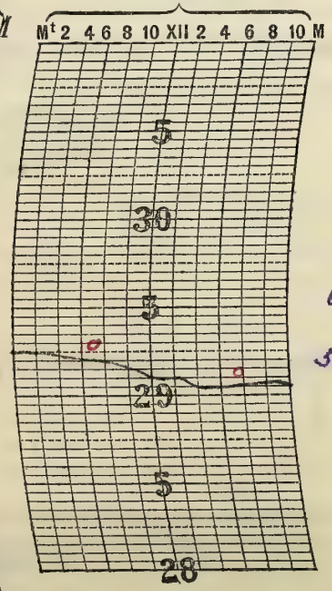
Reduced barometer, 30.12 a. m. 29.95 p. m.

River gage, 18 ft

THERMOGRAPH.



BAROGRAPH.



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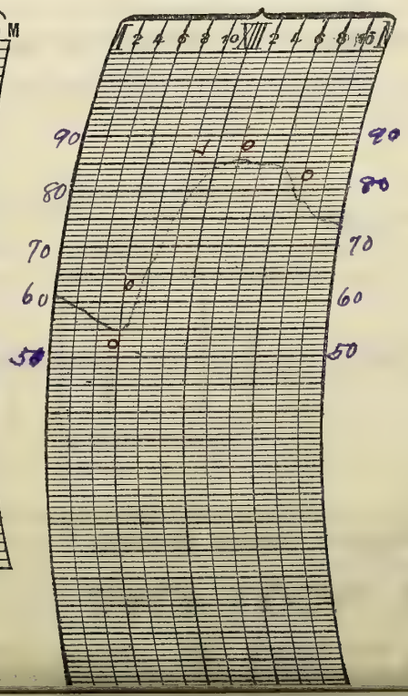


NOTES.

The day was rather pleasant.

Prepared by H.T.C.
Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 5 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	74	73	70	67	66	65	66	69	74	78	77	79
State of weather: Nature of precipitation and time of beginning and ending				RB 3.20				RE 7.20				
Amounts of precipitation				.01	.05	.04	T	T				
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, Character,	5.11 Cloudy											
Sunshine (in tenths of hours)						0	0	0	0.1	0.6	0.5	0.3
Wind direction	SW	NW	NW	N	N	NW	SW	SW	W	W	W	W
Wind movement	9	7	9	7	4	5	16	16	9	11	14	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	80	84	86	88	88	83	79	77	73	68	67	66
State of weather: Nature of precipitation and time of beginning and ending	RB 12.10 RE 12.15								RB 8.40			
Amounts of precipitation	T								T	.65	.13	.12
Cloudiness and other conditions	P.C.				Clear			P.C.	Cloudy			
Sunset: Time, Character,									6.08 Cloudy			
Sunshine (in tenths of hours)	0	0.6	1.0	1.0	0.4	0	0					
Wind direction	W	S	S	S	SW	W	N	S	S	SW	SW	SE
Wind movement	6	10	9	7	8	5	6	11	9	13	9	8

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
8.40 P	- - -	.92	9.36 P	9.56 P	.01	.15	.45	.58	.63										

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
88	65	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 9 inches.

Precipitation to 7 a. m., .10 ins.; to 7 p. m., 7 ins.

Total precipitation, midnight to midnight, 1.02 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 4.5

Possible sunshine, hours, 13.0

Percentage of possible sunshine, 35

Prevailing direction SW. W.

Total movement, 218

Average hourly velocity, 9.1

Maximum velocity, 22 Direction, SW Time. Began 6.27 AM.

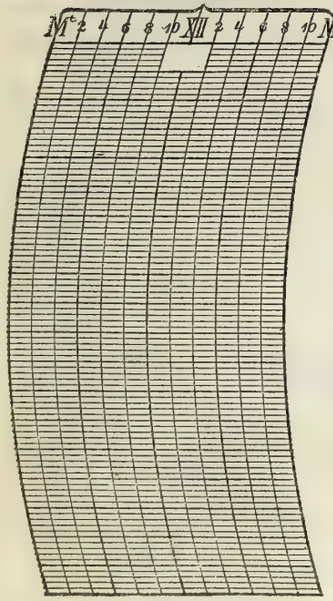
Extreme velocity, 22 SW — 6.27 AM.

Relative humidity, 85 a. m. 66 p. m.

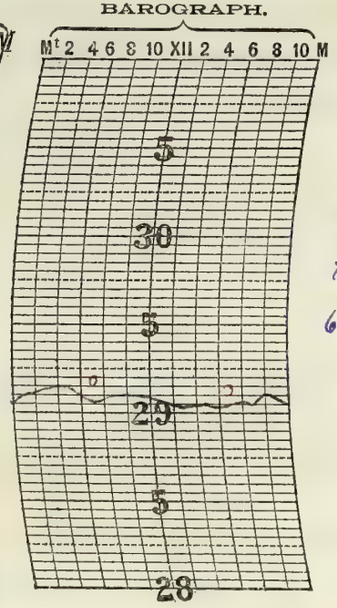
Reduced barometer, 29.96 a. m. 29.43 p. m.

River gage, 1.9 ft

THERMOGRAPH.



BAROGRAPH.



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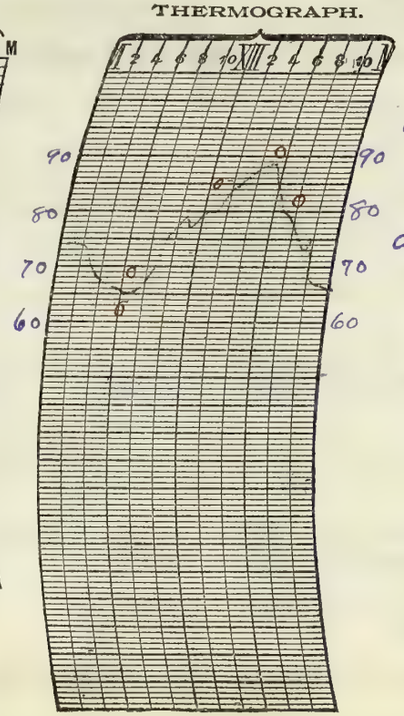


NOTES.

Thunder was heard from 3.10 AM. to 5.30 AM.
Lightning was seen in the Southwest at 6.30 P.M.
Thunder was heard from 7.30 P.M. to 11.40 P.

Prepared by J.H.S.
Verified by P.M.C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 6 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	69	69	69	68	69	72	77	79	81	83	85	87	87	87	86	84	82	79	77	76	74	73
State of weather: Nature of precipitation and time of beginning and ending			RL DN																					
Amounts of precipitation	T	T	.02																					
Cloudiness and other conditions	Cloudy ×						Pt Cldy ×						Clear											
Sunrise: Time, Character,	5.12 Cloudy																				Sunset: Time, Character,			6.06 Clear
Sunshine (in tenths of hours)						0	0	0.2	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.5	0	0					
Wind direction	S	S	SW	SW	W	NW	SW	SW	N	SW	W	SW	SW	SW	S	SW	SW	S	S	S	S	S	S	SW
Wind movement	8	13	8	7	4	2	1	2	3	5	5	6	5	7	7	9	7	6	4	4	5	7	9	9
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts	----	D.N.A.																		

Maximum.	Minimum.	Mean.	Normal.
87	66	76	

Total depth of snow for 24 hours ending 1 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 3

Actual sunshine, hours, 10.2

Possible sunshine, hours, 12.9

Percentage of possible sunshine, 79

Prevailing direction SW

Total movement, 143

Average hourly velocity, 6.0

Maximum velocity, 15 Direction, S Time. Began 2.04 AM

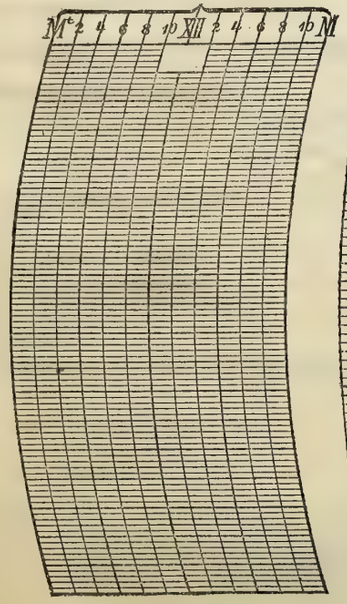
Extreme velocity, 15 - S - 2.04 A.M.

Relative humidity, 90 a. m. 59 p. m.

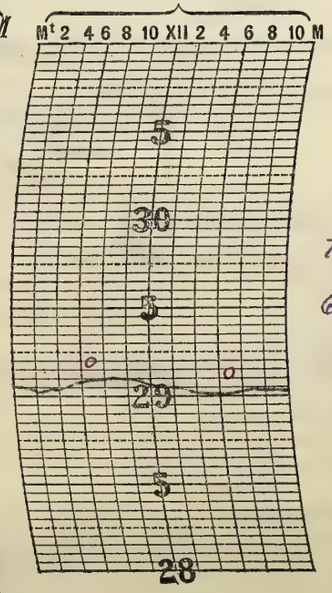
Reduced barometer, 29.99 a. m. 29.89 p. m.

River gage, 2.1 ft

THERMOGRAPH.



BAROGRAPH.



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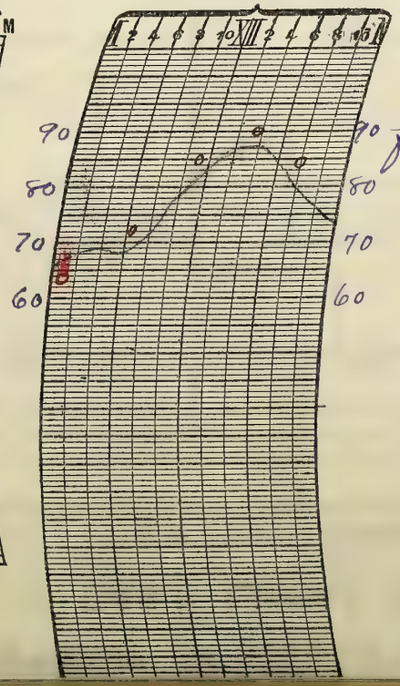


NOTES.

Lightning was seen in the Southwest from 6.40 P.M. to 8.30 P.M

Prepared by J.H.C.

Verified by P.M.A.

Form No. 1012—Mot 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 7 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	73	72	73	73	73	74	75	81	83	86	89	89	90	91	91	90	82	79	77	75	74	73	72	72
State of weather: Nature of precipitation and time of beginning and ending																	RB 4.50 RE 4.55				RB 8.40	RE 10.00		
Amounts of precipitation																	T				T	.02		
Cloudiness and other conditions	Clear												Pt Cldy				Cloudy							
Sunrise: Time, 5.13 Character, Clear																								
Sunset: Time, 6.24 Character, Cloudy																								
Sunshine (in tenths of hours)						.78 0	1.0 0	0.4 0.6	1.0	1.0	0.9	1.0	1.0	0.6	0.6	0.5	0	0	0					
Wind direction	SW	SW	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	SW
Wind movement	9	10	11	11	12	9	11	14	17	18	15	18	23	23	20	17	15	18	12	12	13	12	11	10
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

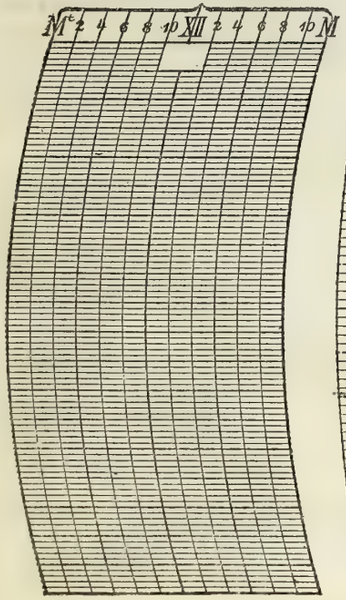
Maximum.	Minimum.	Mean.	Normal.
91	72	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10) 4
Actual sunshine, hours, 9.4
Possible sunshine, hours, 12.8
Percentage of possible sunshine, 73
Prevailing direction SW
Total movement, 341
Average hourly velocity, 14.2

Maximum velocity,	Direction,	Time.
29	SW	Began 1.04 P.M.

Extreme velocity, 29 - SW - 1.04 P.M.
Relative humidity, 81 a. m., 74 p. m.
Reduced barometer, 29.88 a. m., 29.84 p. m.
River gage, 3.2 ft

THERMOGRAPH.



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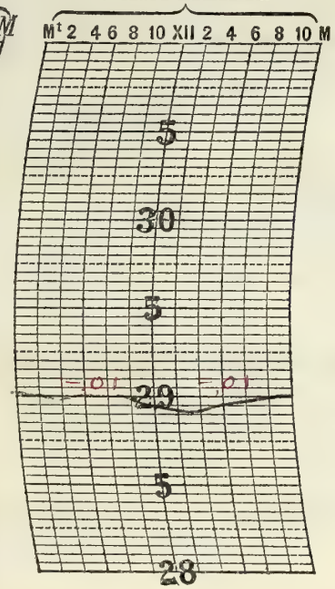
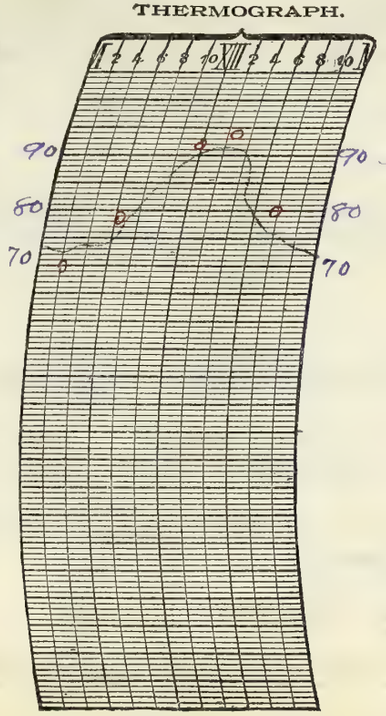


THERMOGRAPH.



NOTES.

A thunderstorm was observed in the West from 4.45 P.M. to 5.00 P.M.

Prepared by J.H.T.
Verified by P. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 8 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	70	70	70	69	68	65	65	67	69	71	72	75	76	76	75	72	70	67	66	63	61	60
State of weather: Nature of precipitation and time of beginning and ending	RB DN			RE DN																				
Amounts of precipitation	.03	.02	T	.01																				
Cloudiness and other conditions	Cloudy											R.D.X	Clear											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.6	0.7	1.0	0.9	1.0	0.4 0.6	1.0 0	.05 0					
Wind direction	SW SW	W	W	W	W	NW	NW	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	8	8	7	5	6	8	10	11	8	10	9	10	10	10	10	9	10	6	4	3	4	4	6	4

Sunrise: Time, 5.14; Character, Cloudy

Sunset: Time, 6.03; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
76	60		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .08 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .06 inches.

Character of day Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 6.2

Possible sunshine, hours, 12.8

Percentage of possible sunshine, 48

Prevailing direction N

Total movement, 180

Average hourly velocity, 7.5

Maximum velocity, 15 Direction, NW Time. Began 7.25 AM

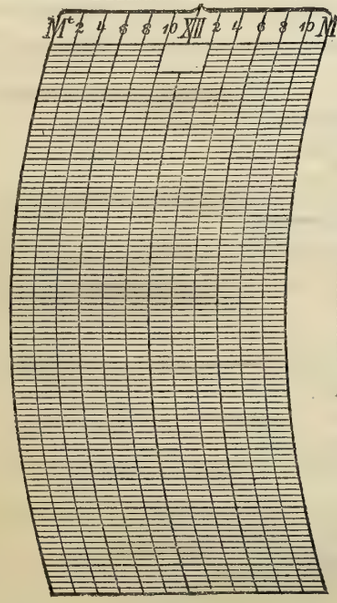
Extreme velocity, 16 - NW - 7.26 AM

Relative humidity, 90 a. m., 60 p. m.

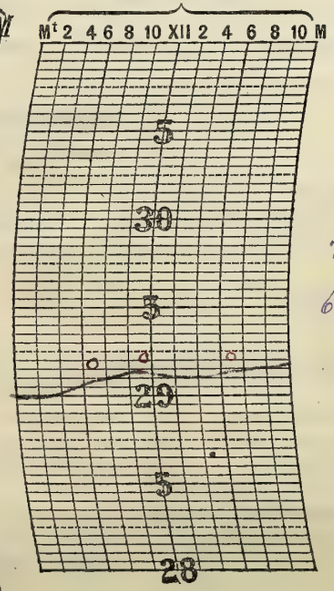
Reduced barometer, 29.98 a. m., 30.04 p. m.

River gage, 2.5 ft

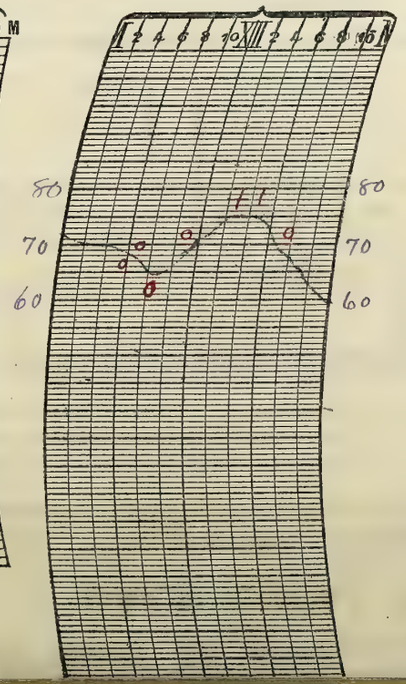
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by HTC

Verified by P.M.C.A

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 9 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	59	58	58	57	56	55	59	62	66	68	69	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)						.75 0	1.0 0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	E
Wind movement	4	6	4	6	5	5	5	7	7	7	7	7

Sunrise: Time, 5.15 Character, Clear

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	73	75	76	76	76	72	68	66	64	61	60	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear									
Sunshine (in tenths of hours)	1.0	1.0	1.0	.02 0.6	1.0 0	1.0 0	.02 0					
Wind direction	NE	NE	E	NE	E	E	NE	E	E	E	E	E
Wind movement	9	6	8	8	8	7	8	8	8	6	6	6

Sunset: Time, 6.01 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
76	55	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 12.6

Possible sunshine, hours, 12.8

Percentage of possible sunshine, 98

Prevailing direction NE

Total movement, 158

Average hourly velocity, 6.6

Maximum velocity, 12 Direction, NE Time. Began 12.26 P.M.

Extreme velocity, 12 - NE - 12.26 P.M.

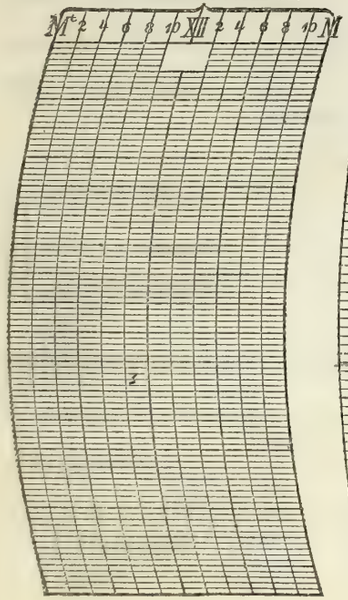
Relative humidity, 81 a. m. 55 p. m.

Reduced barometer, 30.19 a. m. 30.18 p. m.

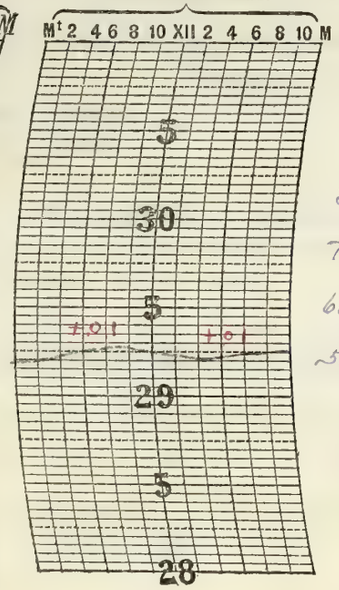
River gage, 2.1 ft.

NOTES.

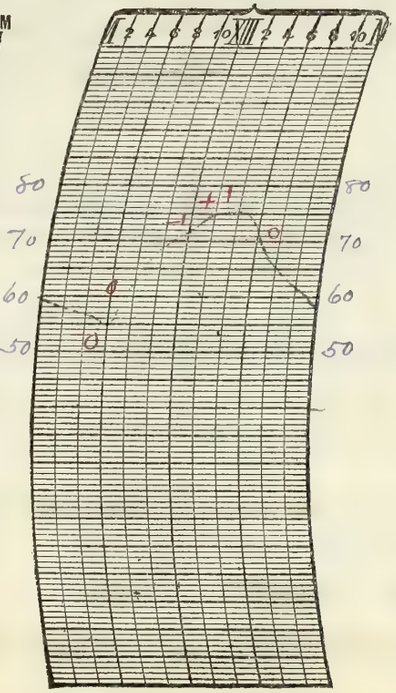
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by
Verified by O. M. L.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 10 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	55	54	54	53	57	61	67	72	74	75	76	77	77	76	75	74	72	69	67	66	64	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			Clear					×	Pt Cldy				×		Cloudy									
Sunshine (in tenths of hours)						.73 0	1.0 0	0.1 0.4	1.0	0.9	0.8	0.5	0.7	0	0.1	0	0	0						
Wind direction	E	NE	NE	NE	E	E	NE	NE	NE	E	E	E	E	E	E	E	NE	NE	E	E	E	NE	E	E
Wind movement	6	8	7	7	9	8	7	5	7	9	10	11	10	9	9	6	5	6	6	6	7	8	7	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.16 Character, Clear

Sunset: Time, 5.59 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

0 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
77	53	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 6.2

Possible sunshine, hours, 12.7

Percentage of possible sunshine, 49

Prevailing direction E

Total movement, 178

Average hourly velocity, 7.4

Maximum velocity, 14 Direction, E Time. Began 12.29 P.M.

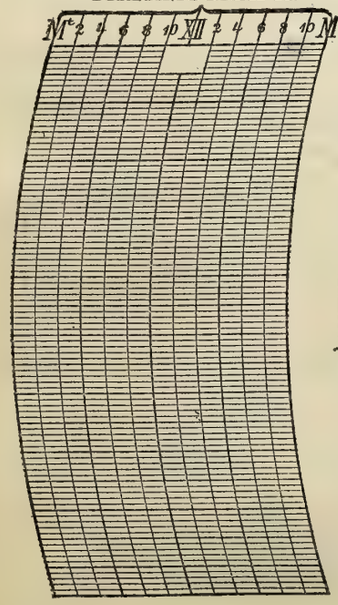
Extreme velocity, 14 - E - 12.29 P.M.

Relative humidity, 74 a. m. 57 p. m.

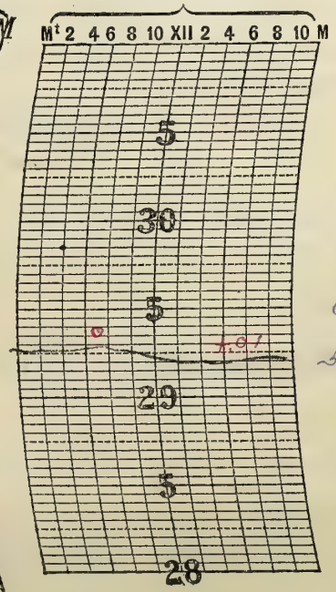
Reduced barometer, 30.21 a. m. 30.15 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



BAROGRAPH.



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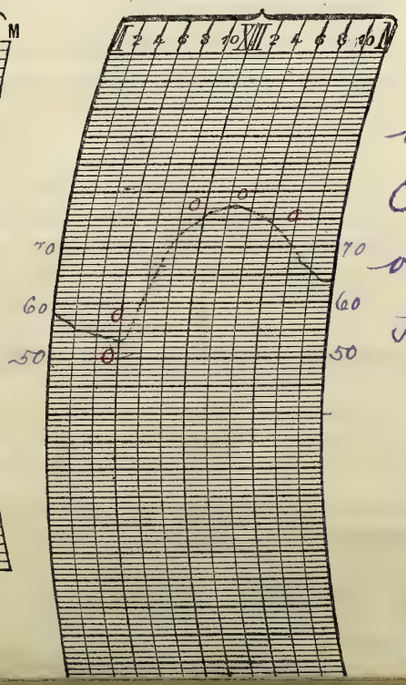


NOTES.

A faint solar halo of 22° arc was observed from 10.00 A.M. to 12.30 P.M.
A faint lunar halo of 22° arc was observed from 7.00 P.M. to 9.00 P.M.
High clouds prevailed during the day.

Prepared by HTC.
Verified by P.M.Z.O.

Form No. 1012—Oct 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 11 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	61	60	60	59	60	65	70	75	76	79	83	82	82	83	83	83	81	79	77	75	74	73	72
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Clear								×	Pt cldy					× Clear					→
Sunshine (in tenths of hours)						0	0	0.3	0.7	0.3	0.5	0.7	0.9	0.4	0.9	0.7	0	0						
Wind direction	E	E	E	E	E	E	E	S	S	SWSW	S	S	S	S	S	S	S	S	SE	SE	SE	SE	S	S
Wind movement	3	4	3	5	4	3	4	9	12	11	9	8	8	10	11	12	9	6	5	6	8	10	8	6
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 5.17; Character, Cloudy

Sunset: Time, 5.57; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
83	57	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase, Full Wane

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 5.4

Possible sunshine, hours, 12.7

Percentage of possible sunshine, 43

Prevailing direction S

Total movement, 174

Average hourly velocity, 7.2

Maximum velocity, 15 Direction, S Time. Began 2.04 P.M.

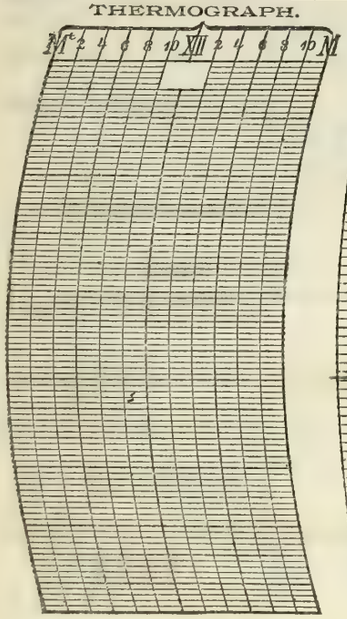
Extreme velocity, 16 - S - 2.05 P.M.

Relative humidity, 87 a. m., 76 p. m.

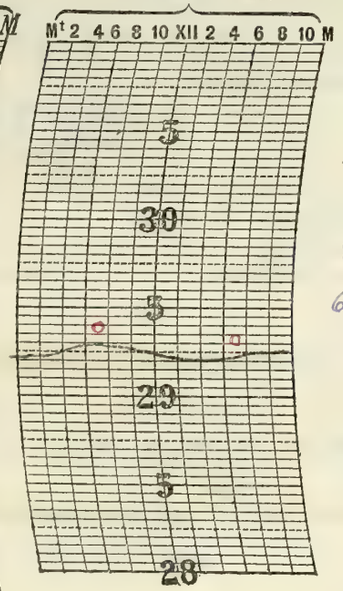
Reduced barometer, 30.20 a. m., 30.14 p. m.

River gage, 2.4 ft

THERMOGRAPH.



BAROGRAPH.



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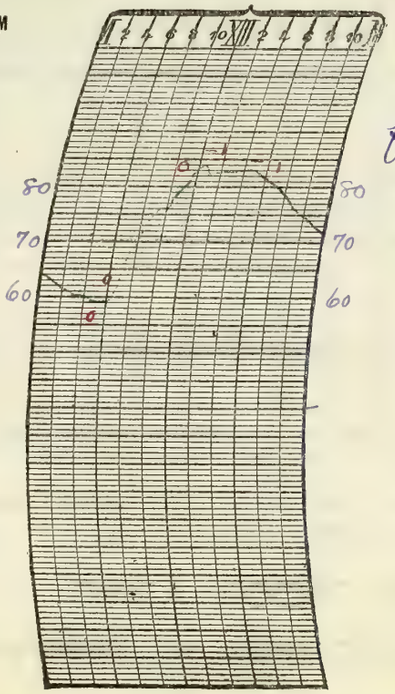


NOTES.

St. Cu. clouds prevailed during the forenoon and the afternoon until 5 30 P.M.

Prepared by

Verified by J. Mel.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 12 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	70	69	68	67	67	69	74	77	81	82	83	85	86	86	84	83	80	77	75	73	71	70	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Clear					×	Pt Cldy				×	Clear					→
Sunshine (in tenths of hours)						.68	1.0	0.4																
						0	0	0.6	1.0	1.0	0.8	0.9	0.9	1.0	0.7	0.7	0	0						
Wind direction	S	S	SE	SE	SE	SE	SE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	5	4	5	7	9	6	6	10	11	12	15	14	14	14	16	16	14	10	8	8	8	10	11	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.19 Character, Clear

Sunset: Time, 5.56 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	86	67	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 9.7

Possible sunshine, hours, 12.6

Percentage of possible sunshine, 77

Prevailing direction S

Total movement, 243

Average hourly velocity, 10.1

Maximum velocity, 21 Direction, S Time. Began 3.48 P.M.

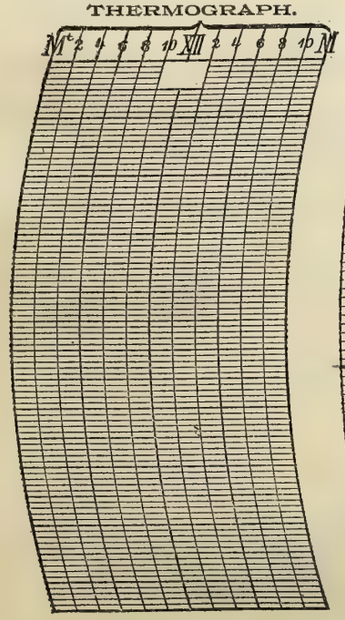
Extreme velocity, 23 - S - 3.48 P.M.

Relative humidity, 79 a. m. 65 p. m.

Reduced barometer, 30.16 a. m. 29.99 p. m.

River gage, 2.2 ft.

THERMOGRAPH.



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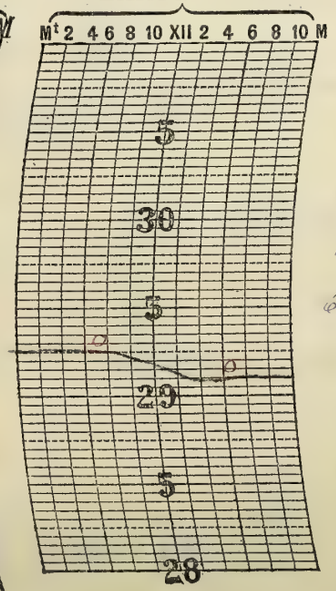

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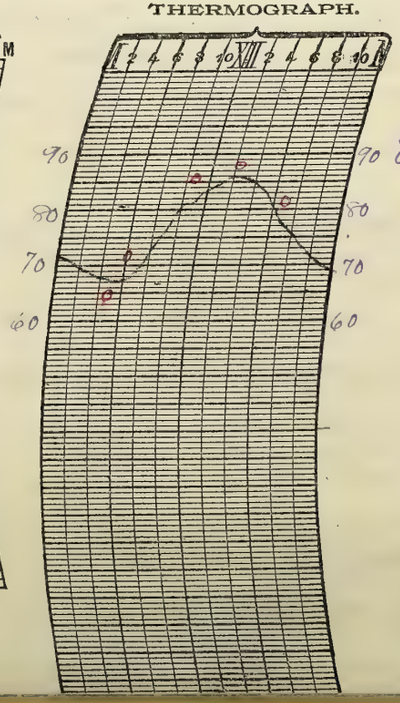


NOTES.

St. Cu. clouds prevailed from 8 00 A.M. to 5 00 P.M.

Prepared by H.T.C.

Verified by PMCA.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday (Date) SEP 13 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	68	67	67	65	62	64	64	64	65	65	66
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	S	S	SW	SW	SW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	9	9	8	8	8	6	4	5	4	6	5

Sunrise: Time, 5.20; Character, Cloudy

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	68	65	65	66	66	67	66	66	65	64	63
Nature of precipitation and time of beginning and ending			RB 2.25		RE 4.45							
Amounts of precipitation			T	T	T							
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	NW	W	W	W	NW	NW	NW	NW	NW	NW	N
Wind movement	3	4	3	2	6	3	2	1	1	1	4	4

Sunset: Time, 5.54; Character, Cloudy

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
69	62	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 126

Percentage of possible sunshine, 0

Prevailing direction NW

Total movement, 114

Average hourly velocity, 4.8

Maximum velocity, 12 Direction, NW Time. Began 5.09 AM

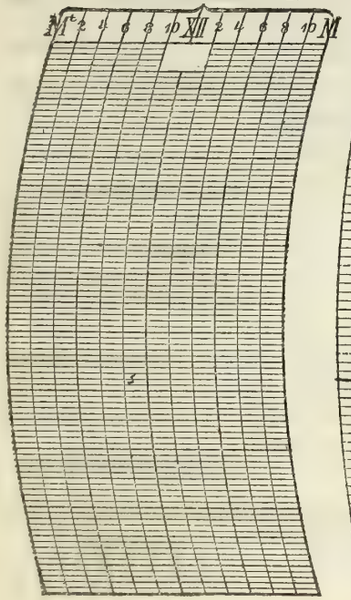
Extreme velocity, 12 - NW - 5.09 AM

Relative humidity, 90 a. m. 70 p. m.

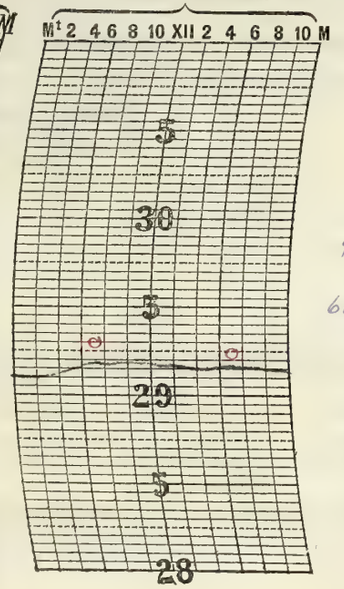
Reduced barometer, 30.06 a. m. 30.08 p. m.

River gage, 2.0 ft

THERMOGRAPH.



BAROGRAPH.



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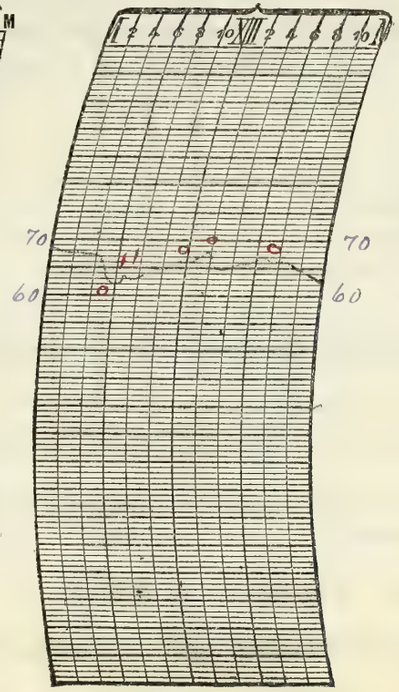


NOTES.

Prepared by

Verified by P. McL.

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 14 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	60	60	60	60	61	61	63	65	67	72	73	72	71	70	69	67	66	64	63	58	57	55
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy									×	PC	×	Cldy					
Sunshine (in tenths of hours)						0	0	0	0.1	0	0.3	0.8	1.0	1.0	0.6	0.3	0	0						
Wind direction	N	N	NW	NW	NW	N	NW	NW	NW	NW	NW	NW	W	W	NW	NW	NW	W	W	W	SW	NW	NW	NW
Wind movement	4	4	4	5	3	1	2	6	7	8	7	5	8	9	10	11	8	5	4	4	6	14	14	14

Sunrise: Time, 5.21 Character, Cloudy

Sunset: Time, 5.52 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
73	55	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 4.1

Possible sunshine, hours, 12.5

Percentage of possible sunshine, 33

Prevailing direction NW

Total movement, 163

Average hourly velocity, 6.8

Maximum velocity,	Direction,	Time.
18	NW	Began 10.49 PM

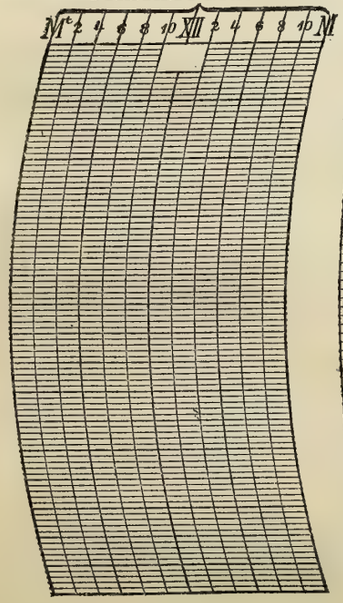
Extreme velocity, 20 — NW — 10.49 PM

Relative humidity, 81 a. m. 65 p. m.

Reduced barometer, 30.04 a. m. 29.97 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



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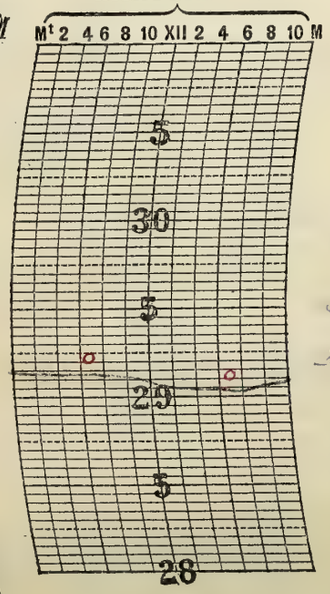

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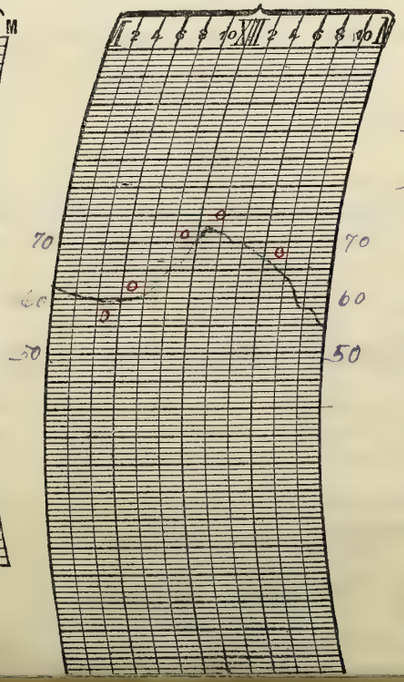


NOTES.

The sun shone through openings in the clouds during the middle of the day.

Prepared by

Verified by P. McA.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 15 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	55	55	54	51	49	50	53	54	56	57	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				←		Clear			→	Pt Cldy		
Sunshine (in tenths of hours)						.65 0	1.0 0	1.0	1.0	0.8	0.9	0.9
Wind direction	NW	NW	NW	NW	W	W	W	W	W	W	W	W
Wind movement	12	7	9	10	8	9	11	13	15	17	15	15

Sunrise: Time, 5.21; Character, Clear

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	59	57	56	55	53	51	48	47	46	45	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				→		Clear						
Sunshine (in tenths of hours)	0.7	0.7	0.7	0.3	0.9 0.1	.85 0						
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	17	18	18	16	15	14	10	9	8	10	9	9

Sunset: Time, 5.51; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
60	44	52	

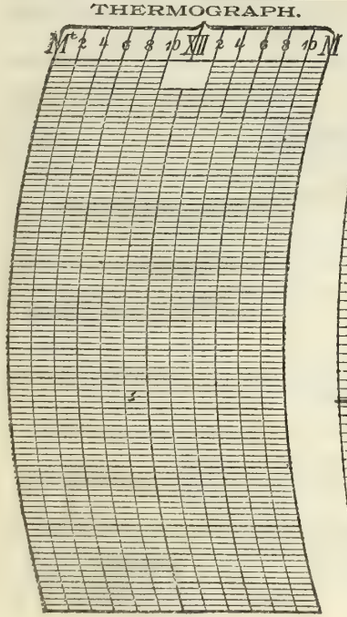
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10) 3
Actual sunshine, hours, 10.9
Possible sunshine, hours, 12.5
Percentage of possible sunshine, 87
Prevailing direction W
Total movement,
Average hourly velocity, 12.2

Maximum velocity,	Direction,	Time.
21	SW	Began 1.00 PM

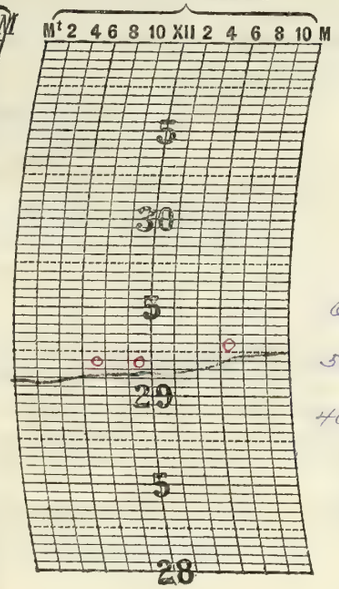
Extreme velocity, 21 SW - 1.00 PM

Relative humidity, 81 a. m., 51 p. m.
Reduced barometer, 30.03 a. m., 30.13 p. m.
River gage, 2.0 ft

THERMOGRAPH.



BAROGRAPH.



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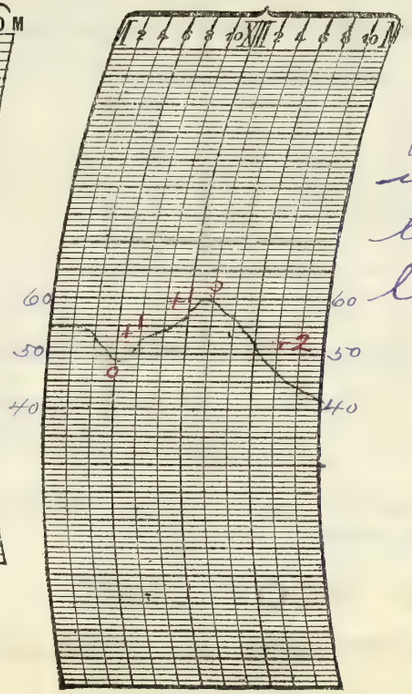


NOTES.

The following warning was received from "CO" at 9.00 A.M. and disseminated in the morning forecasts: "cooler tonight with frost, probably heavy in low places."

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 16 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	41	40	39	38	37	41	46	49	51	53	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunrise: Time, 522 Character, Clear												
Sunshine (in tenths of hours)						.63 0	1.0 0	0.3 0.7	1.0	1.0	1.0	1.0
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	W	S
Wind movement	8	7	9	7	8	8	7	8	9	9	8	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	60	61	62	61	60	58	56	55	53	54	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunset: Time, 549 Character, Clear												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6 0.4	0.2 0						
Wind direction	SW	SW	SW	S	S	S	S	S	S	S	S	S
Wind movement	12	13	13	16	14	10	10	11	11	12	14	14

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
62	38	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 12.4

Possible sunshine, hours, 12.4

Percentage of possible sunshine, 100

Prevailing direction SW

Total movement, 246

Average hourly velocity, 10.2

Maximum velocity, 19 Direction, S Time. Began 1.24 PM.

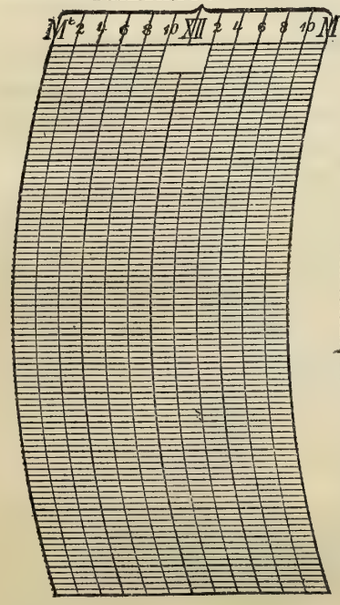
Extreme velocity, 20-S-1.24 PM.

Relative humidity, 65 a. m. 70 p. m.

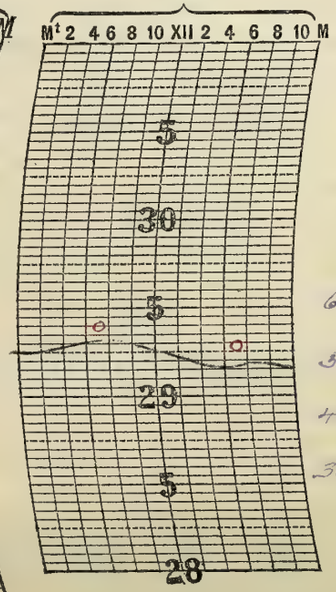
Reduced barometer, 30.25 a. m. 30.03 p. m.

River gage, 1.8 ft.

THERMOGRAPH.



BAROGRAPH.



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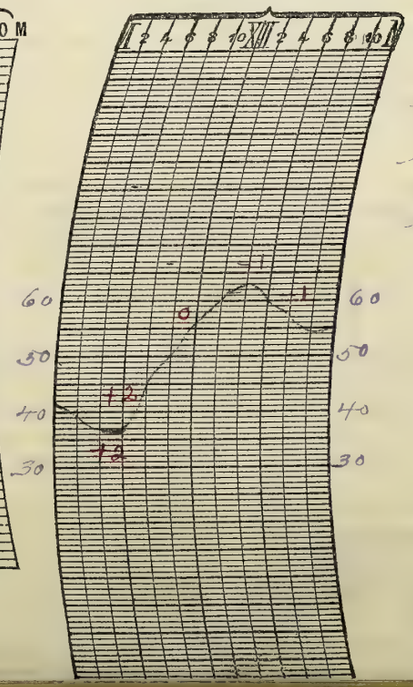


NOTES.

Light frost occurred in the morning and heavy frost was reported from the lowlands near the city

Prepared by W.T.C.

Verified by P.M.O.

Form No. 1014—Sect 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 17 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	54	52	51	52	51	50	52	56	57	55	56	57
State of weather: Nature of precipitation and time of beginning and ending									RB 8.15 RE 8.20	RB 9.45	RL 10.20	
Amounts of precipitation									T	T	T	
Cloudiness and other conditions	Clear											
Sunrise: Time, Character,	5.23 Clear											
Sunshine (in tenths of hours)						.62 0	1.0 0	0.3 0.3	0	0	0	0
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	SW	NW	NW
Wind movement	11	11	12	13	12	8	10	14	11	10	8	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	59	60	63	62	58	54	50	48	46	45	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy						Clear					
Sunset: Time, Character,									5.47 Clear			
Sunshine (in tenths of hours)	0	0.4	0.1	0.6	0.5	0.4 0	0.7 0	0.8				
Wind direction	NW	W	W	SW	NW	NW	NW	NW	NW	N	N	N
Wind movement	6	6	4	4	7	10	12	11	11	7	4	3

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
63	44	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 5.0

Possible sunshine, hours, 12.4

Percentage of possible sunshine, 40

Prevailing direction NW

Total movement, 217

Average hourly velocity, 7.0

Maximum velocity, 17 Direction, SW Time. Began 7.27 AM

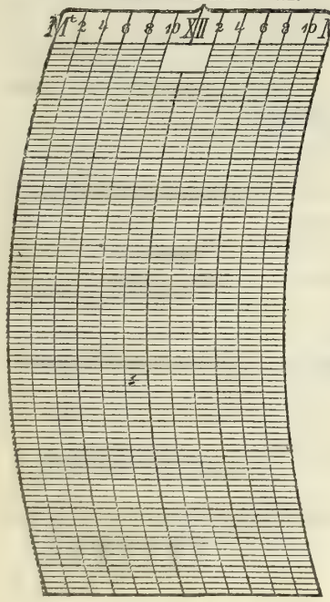
Extreme velocity, 17 - SW - 7.27 AM

Relative humidity, 56 a. m. 57 p. m.

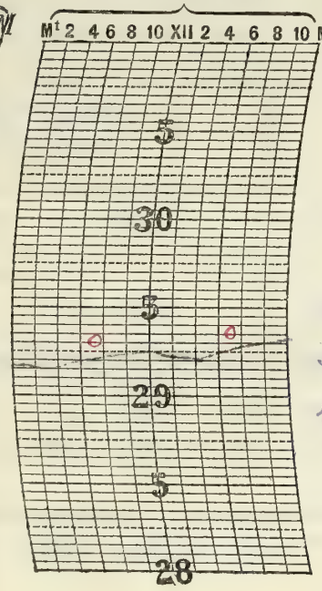
Reduced barometer, 30.12 a. m. 30.1 p. m.

River gage, 1.8 ft

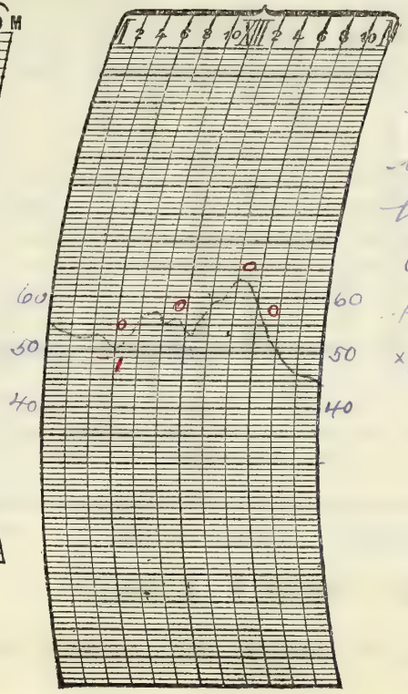
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received from "CO" at 10 A.M. and telephoned to interested parties: "Cooler tonight with heavy frost."

Very light rain fell during part of the hour.

*Sun shone through openings in clouds

Prepared by

Verified by P. M. D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 18 1916 .191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	42	41	39	38	38	41	48	52	54	55	56	60	58	57	59	59	55	52	50	48	47	45	44
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				Clear					P.C.				Cldy		Pt Cldy			Clear						
Sunrise: Time, Character,	5.24 Clear																							
Sunset: Time, Character,													5.46 Clear											
Sunshine (in tenths of hours)						.60 0	1.0 0	0.8	1.0	1.0	0.6	0.7	0.8	0.1	0.6	0.2	0.5 0.3	.77 0						
Wind direction	N	N	N	N	N	N	NW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	3	2	1	1	1	3	2	4	4	6	8	1	10	9	11	8	11	9	8	6	4	3	1	1
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
60	38	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Mcloudy Moon phase,

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 9.0

Possible sunshine, hours, 12.4

Percentage of possible sunshine, 73

Prevailing direction NW

Total movement, 123

Average hourly velocity, 5.1

Maximum velocity,	Direction,	Time.
13	NW	Began 4.28 PM

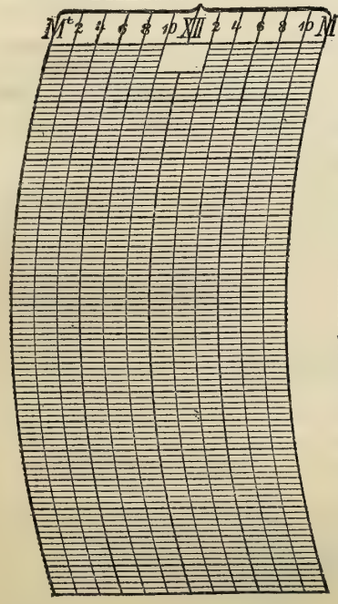
Extreme velocity, 13 - NW - 4.28 PM.

Relative humidity, 75 a. m., 45 p. m.

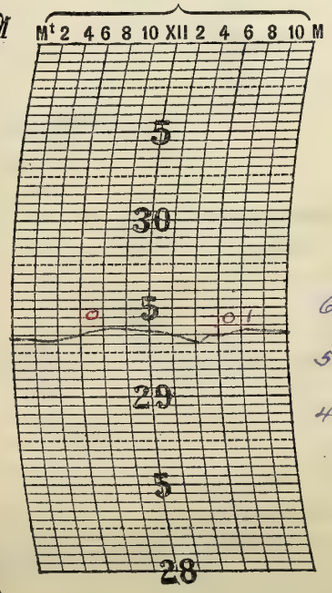
Reduced barometer, 30.30 a. m., 30.27 p. m.

River gage, 1.7 ft.

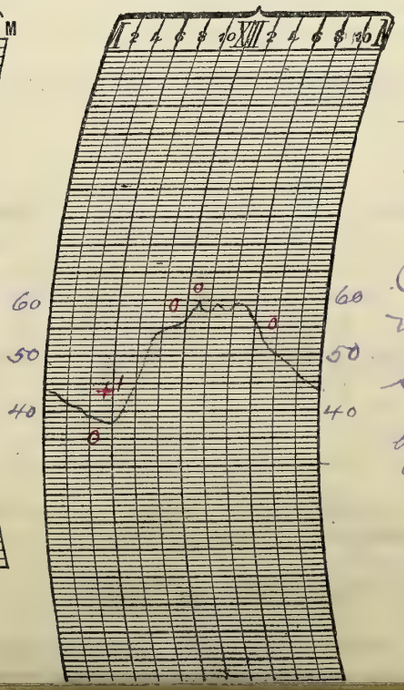
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy frost occurred during the early morning and was visible until 7.00 A.M.

The following warning was received from "CO" at 8.50 A.M. and disseminated in the morning forecasts "Frost tonight. St. Cu. clo prevailed during the middle of the day.

Prepared by A.H.C.

Verified by P.M.C.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 19 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	41	40	37	36	38	42	47	53	57	61	65	67	68	69	69	69	66	63	60			55	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								clear									clear							
Sunshine (in tenths of hours)						.57 0	1.0 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.7	1.0 0	.73 0						
Wind direction	0	NW	NW	NW	SW	0	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SW
Wind movement	0	2	1	2	5	0	2	5	6	8	10	9	7	8	10	11	9	7	7	7	9	9	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.26 Character, Clear

Sunset: Time, 5.44 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
67	36	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, clear Moon phase, Last Quarter

Average daily cloudiness (0–10) 1

Actual sunshine, hours, 12.3

Possible sunshine, hours, 12.3

Percentage of possible sunshine, 100

Prevailing direction SW

Total movement, 756

Average hourly velocity, 63

Maximum velocity, 13 Direction, SW Time. Began 10.41

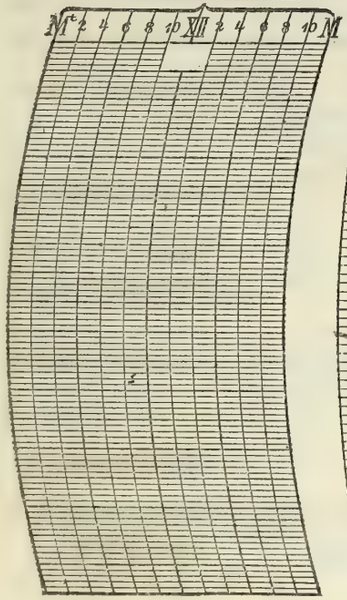
Extreme velocity, 13 - SW - 10.41 AM

Relative humidity, 73 a. m., 45 p. m.

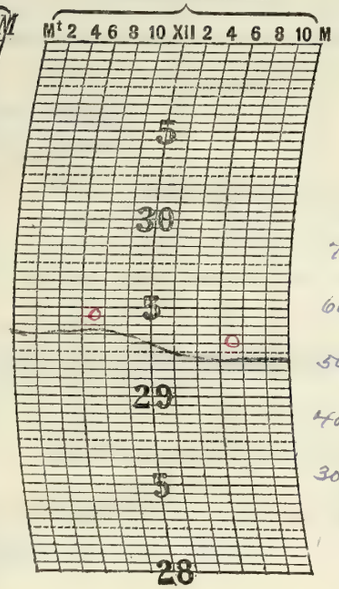
Reduced barometer, 30.30 a. m., 30.12 p. m.

River gage, 6.7 ft

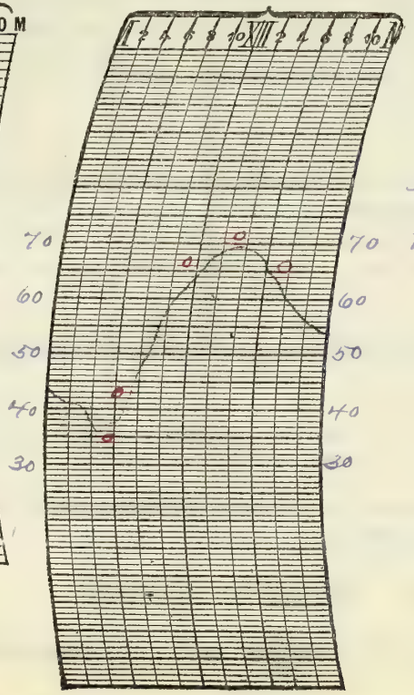
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy frost occurred in the morning and was visible until 7.00 A.M. Ci. clouds prevailed during the middle of the day

Prepared by [illegible]

Verified by P.M.O.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 20 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	51	50	49	48	50	57	64	68	70	72	75	76	76	75	74	70	69	66	65	65	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear									Clear									
Sunrise: Time, 5.27 Character, Clear						.55	1.0	0.4									0.6	.70						
Sunset: Time, 5.42 Character, Clear																								
Sunshine (in tenths of hours)						0	0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	SW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	10	8	8	4	9	8	7	10	14	16	18	17	18	19	18	18	16	11	11	10	12	13	16	14
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
76	48	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 12.2

Possible sunshine, hours, 12.2

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 310

Average hourly velocity, 12.7

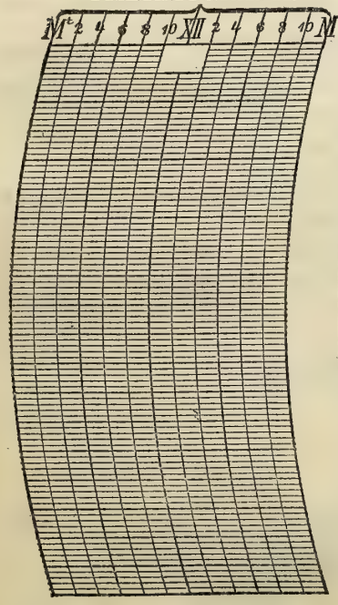
Maximum velocity,	Direction,	Time.
22	S	Began 2.10 P.M.
Extreme velocity, 24	S	2.10 P.M.

Relative humidity, 72 a. m. 42 p. m.

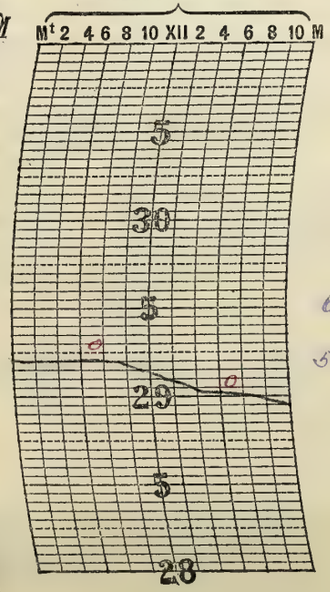
Reduced barometer, 30.13 a. m. 29.[illegible] p. m.

River gage, 1.7 ft.

THERMOGRAPH.



BAROGRAPH.



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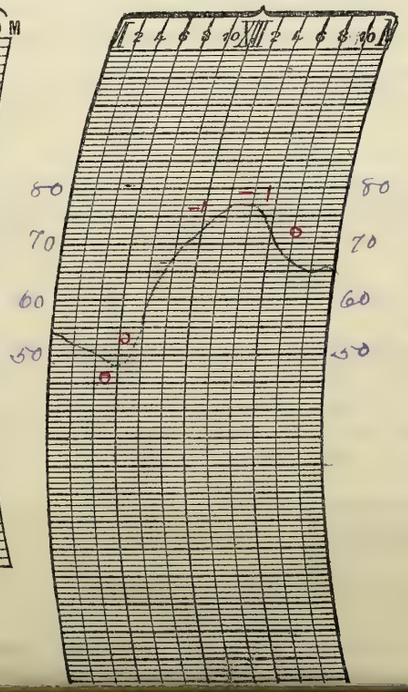


NOTES.

Some light frost was noticeable in the morning until 6 15 A.M.

Prepared by [illegible]

Verified by P.M.G.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 21 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	63	63	63	64	63	62	62	63	64	67	69	70	71	72	72	72	71	68	66	61	61	60	57	57
																				RB 7.20	RE 8.15			
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																				.01	.01			
Cloudiness and other conditions					←	Cloudy			RG	×	Clear	×			Pt	Cldy			×	Cldy		→		
Sunshine (in tenths of hours)						0	0	0	0	0.7	1.0	1.0	0.9	0.9	0.5	0	0							
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	W	W	W	W	W	SW	SW	SW	SW	SW	W	SW	SW	SW	SW
Wind movement	14	15	12	13	15	17	16	16	13	15	17	17	17	13	15	12	13	9	9	8	6	3	3	6

Sunrise: Time, 5.27 Character, Cloudy

Sunset: Time, 5.41 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
72	57	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 5.0

Possible sunshine, hours, 12.2

Percentage of possible sunshine, 41

Prevailing direction SW

Total movement, 217

Average hourly velocity, 12.5

Maximum velocity, 25 Direction, SW Time. Began 2.00 PM

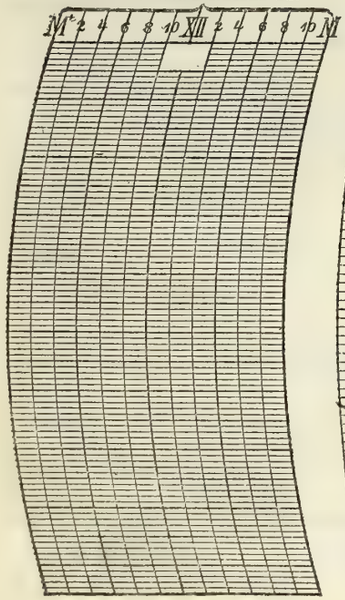
Extreme velocity, 25 SW 2.00 PM

Relative humidity, 62 a. m. 33 p. m.

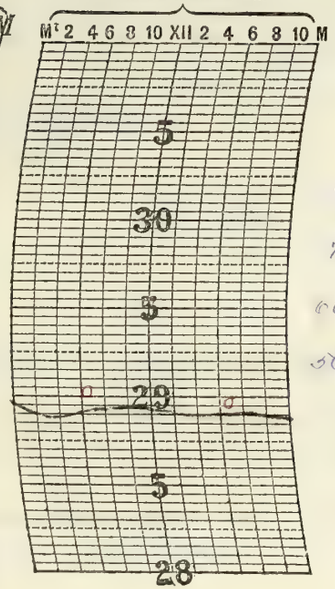
Reduced barometer, 29.80 a. m. 29.75 p. m.

River gage, 1.7

THERMOGRAPH.



BAROGRAPH.



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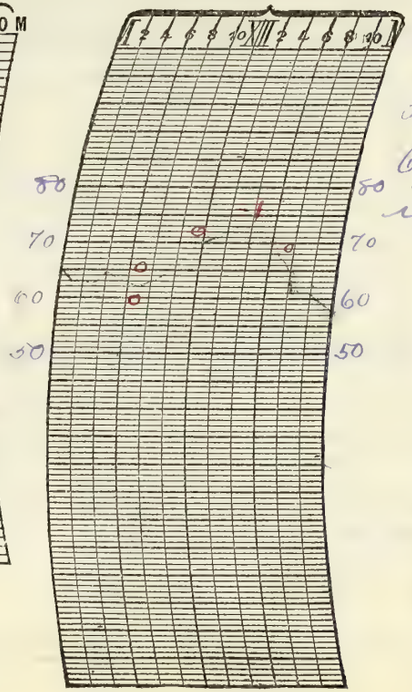


NOTES.

Lightning was first seen in the Northwest at 6.40 P.M. Thunder was heard from 6.50 P.M. to 7.40 P.M. The storm was accompanied by a sudden gust of strong wind.

Prepared by N.H.C.

Verified by P. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	54	52	51	50	51	52	57	65	69	66	63	63	63	61	64	62	60	57	55	54	52	50	48
State of weather: Nature of precipitation and time of beginning and ending											RB 10.45		RL 12.15											
Amounts of precipitation											T	T	T											
Cloudiness and other conditions						← Clear				× P.C.	× Cloudy					× P.C.		× Cloudy						
Sunshine (in tenths of hours)						0	0	0.6	1.0	0.6	0	0	0	0	0.2	0.4	0	0						
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	W	SW	SW	SW	SW	W	W	W	W	W	SW	SW	SW
Wind movement	8	7	9	10	9	9	11	12	16	22	18	15	19	21	18	19	16	13	10	11	10	9	8	7
Maximum velocities (exceeding 29 miles) direction and time										31 SW 9.22														

Sunrise: Time, 5.28; Character, Cloudy

Sunset: Time, 5.39; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	67	43	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.2 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 2.8

Possible sunshine, hours, 12.2

Percentage of possible sunshine, 23

Prevailing direction SW

Total movement, 308

Average hourly velocity, 12.8

Maximum velocity, 31; Direction, SW; Time. Began 9.32 AM

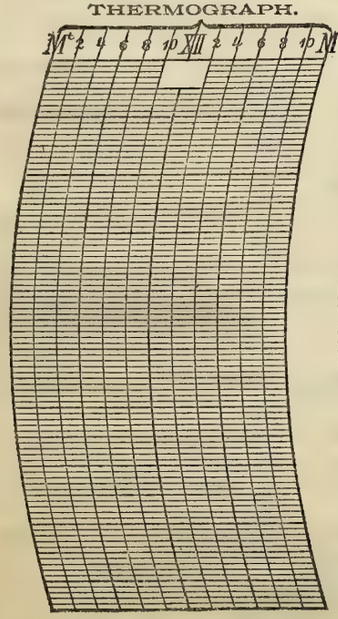
Extreme velocity, 32 SW 9.34 AM

Relative humidity, 64 a. m., 61 p. m.

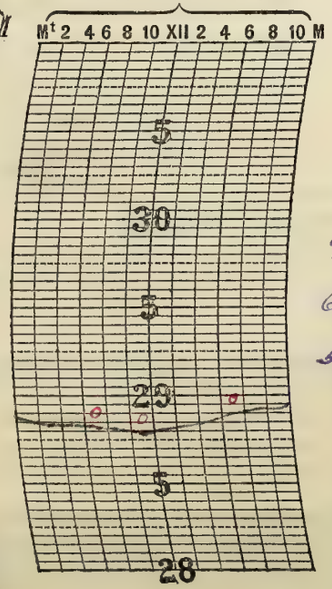
Reduced barometer, 29.72 a. m., 29.81 p. m.

River gage, 1.75

THERMOGRAPH.



BAROGRAPH.



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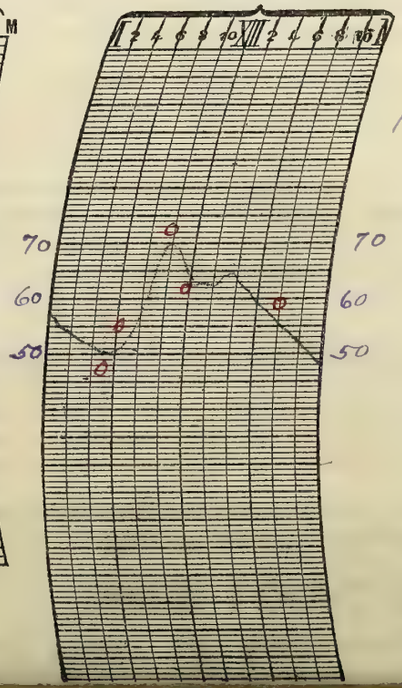


NOTES.

Occasional light rain fell from 10 45 A.M. to 12 15 P.M

Prepared by H.T.S.

Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 23 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	47	46	45	44	43	42	47	51	56	58	59	60	62	63	63	62	62	60	59	54	52	51	50	47
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear			Pt Cldy				Cldy			Pt Cldy			Clear				
Sunshine (in tenths of hours)						.52 0	1.0 0	0.8 0.2	1.0	0.5	0.2	0.1	0.2	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	W	W	W	NW	W	NW	NW	NW	NW	NW	NW
Wind movement	9	9	10	9	9	9	8	9	11	12	7	13	11	11	10	10	7	4	11	7	6	4	4	2
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.29 Character, Clear

Sunset: Time, 5.37 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
63	42	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 4.5

Possible sunshine, hours, 12.1

Percentage of possible sunshine, 37

Prevailing direction W

Total movement, 194

Average hourly velocity, 8.1

Maximum velocity, 13 Direction, SW Time. Began 11.45 AM

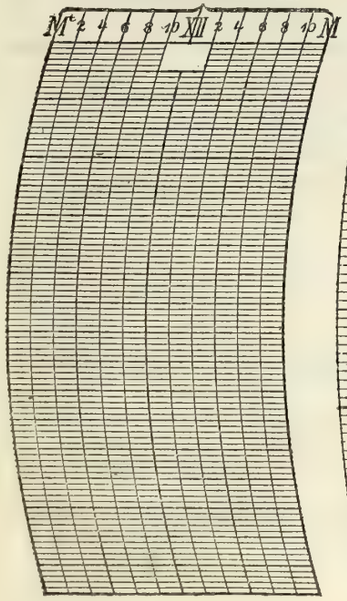
Extreme velocity, 15 SW 11.45 AM

Relative humidity, 83 a. m. 54 p. m.

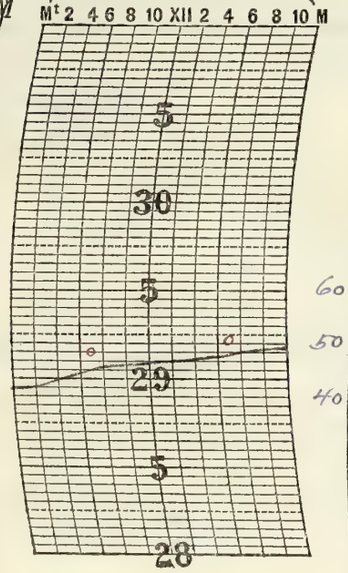
Reduced barometer, 29.97 a. m. 30.05 p. m.

River gage, 1.8 ft

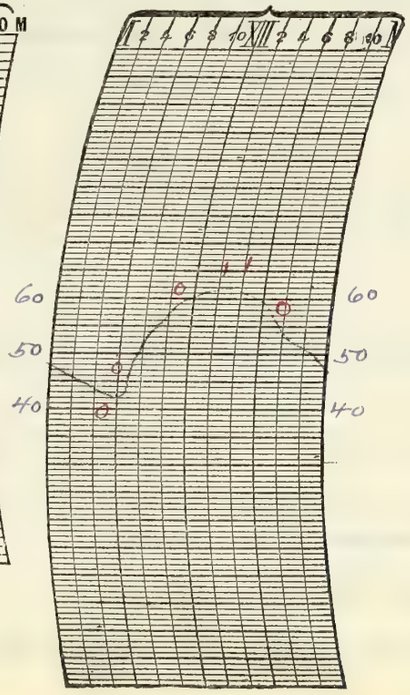
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.G.C.

Verified by P. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) SEP 24 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	45	42	41	41	38	40	48	57	61	63	65	68	70	71	72	70	65	62	61	58	57	55	54
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Pt Cl. Dy												Clear							
Sunshine (in tenths of hours)		1				0	0	0.2	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 .60 0.2	0				1		
Wind direction	NW	NW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW
Wind movement	3	3	4	4	3	3	4	6	7	8	10	10	11	13	14	13	13	8	8	7	6	5	4	2
Maximum velocities (exceeding 27 miles) direction and time																								

Sunrise: Time, 5.30 Character, Cloudy

Sunset: Time, 5.36 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
72	38	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, Clear Moon phase, ✓

Average daily cloudiness (0-10) 3

Actual sunshine, hours, 9.5

Possible sunshine, hours, 12.1

Percentage of possible sunshine, 79

Prevailing direction SW NW

Total movement, 164

Average hourly velocity, 7.0

Maximum velocity,	Direction,	Time.
16	W	Began 3.28 P.M.

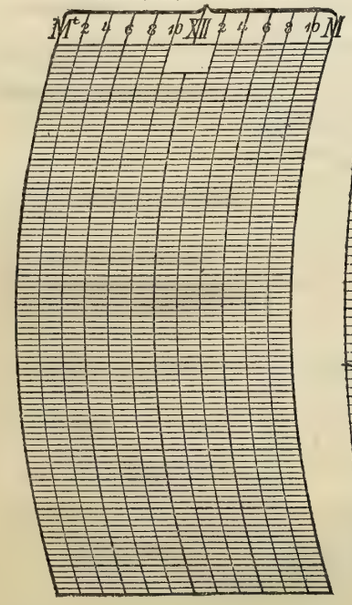
Extreme velocity, 18 W 3.28 P.M.

Relative humidity, 87 a. m. 37 p. m.

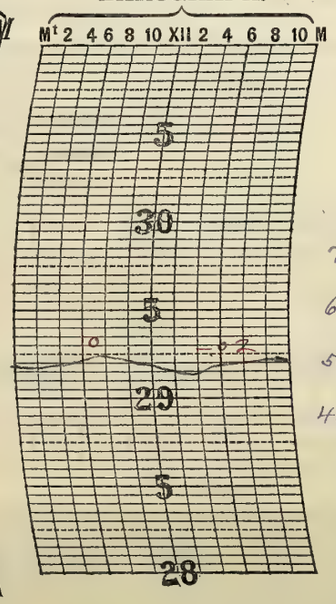
Reduced barometer, 30.15 a. m. 30.08 p. m.

River gage, 1.7 ft

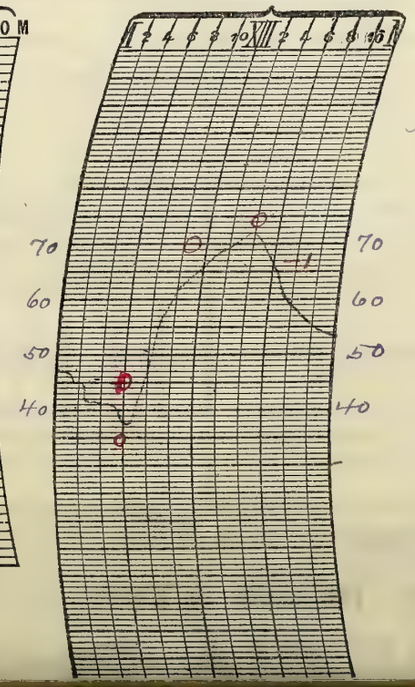
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light fog prevailed from 8 P.M. to 7 A.M.

Prepared by J.H.C.

Verified by F.M.C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) SEP 25 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	48	46	45	45	45	50	58	65	71	73	75	78	79	79	78	76	74	72	70	69	68	66	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear									Clear								
Sunshine (in tenths of hours)						.48 0	1.0 0	0.4 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0	0						
Wind direction	NW	NW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	S	S	S	SE	SE	SE	S	S	S
Wind movement	3	1	6	7	8	8	6	7	11	5	4	7	7	7	7	8	6	6	8	7	5	8	8	10

Sunrise: Time, 5.31 Character, Clear

Sunset: Time, 5.34 Character, Cloudy

Maximum velocities (exceeding 20 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
79	45	6[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear! Moon phase,

Average daily cloudiness (0-10)

Actual sunshine, hours, 10.3

Possible sunshine, hours, 12.0

Percentage of possible sunshine, 86

Prevailing direction SW.

Total movement, 160

Average hourly velocity, 6.7

Maximum velocity,	Direction,	Time.
12	S	Began 11.00 PM

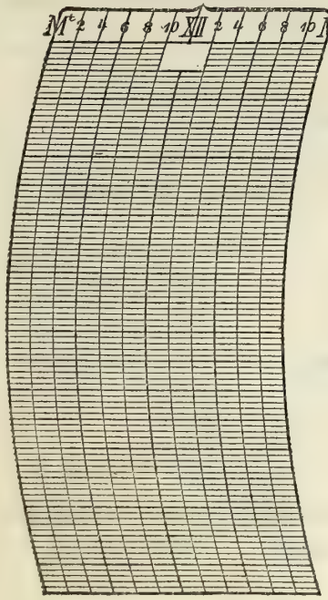
Extreme velocity, 12 - S - 11.00 PM

Relative humidity, [illegible] a. m. [illegible] p. m.

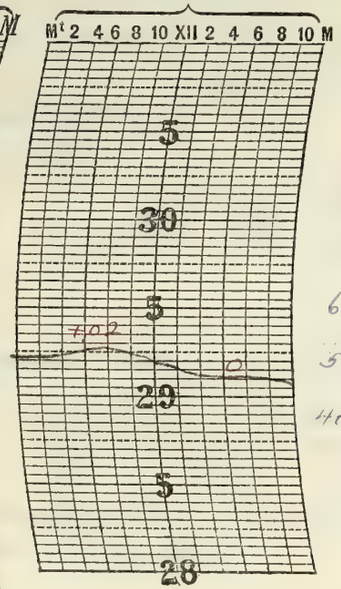
Reduced barometer, 30.17 a. m. 30.04 p. m.

River gage, 1.8 ft.

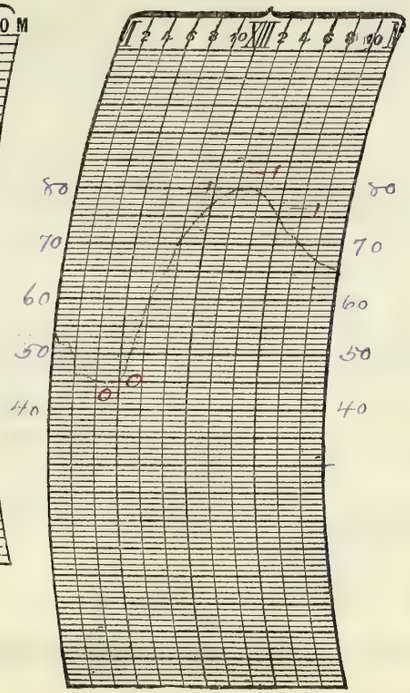
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.S.C.

Verified by C. M. E.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) SEP 26 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	65	65	65	66	66	65	72	77	80	83	84	85	86	86	84	82	79	77	75	74	73	73	73
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					← Cldy			×		Pt Cldy				Pt Cldy			×		clear					→
Sunrise: Time, Character,	5.32 Cloudy																				Sunset: Time, Character,	5.32 Cloudy		
Sunshine (in tenths of hours)		1				0	0	0.3	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0	0						
Wind direction	S	S	S	SW	NW	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S	S
Wind movement	9	10	11	10	4	6	8	11	17	21	21	21	22	22	22	18	14	10	10	12	13	16	17	18
Maximum velocities (exceeding 27 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	86	64	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 7.4

Possible sunshine, hours, 12.0

Percentage of possible sunshine, 62

Prevailing direction S

Total movement, 314

Average hourly velocity, 14

Maximum velocity, 27 Direction, SW Time. Began 2.30 PM

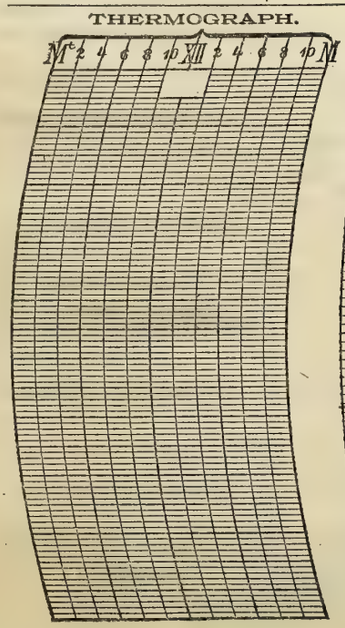
Extreme velocity, 28 - SW - 2.30 PM

Relative humidity, 72 a. m. 46 p. m.

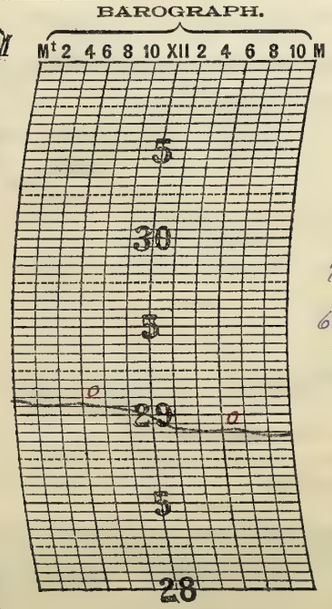
Reduced barometer, 29.96 a. m. 29.82 p. m.

River gage, 1.7 ft

THERMOGRAPH.



BAROGRAPH.



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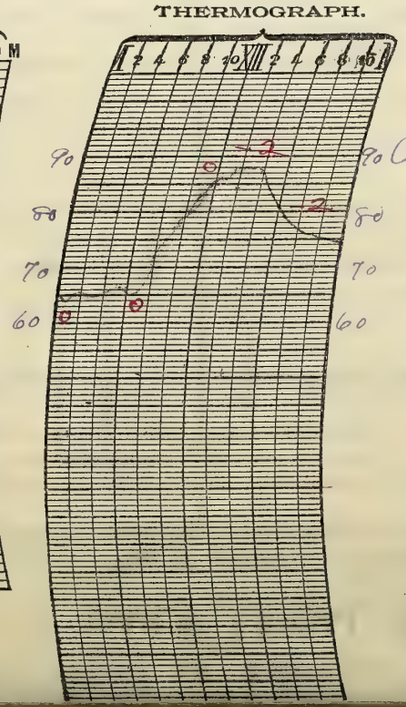


NOTES.

Somewhat gusty winds prevailed during the day.

Prepared by J.F.C.

Verified by F. Meal.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) SEP 27 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	71	71	71	72	72	71	73	75	78	79
Nature of precipitation and time of beginning and ending									RB 8.05	RE 10.00		
Amounts of precipitation									T	.02		
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0.1	0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	18	18	17	18	19	21	24	20	10	20	27	31
Maximum velocities (exceeding 29 miles) direction and time										30 SW 9.32	34 SW 10.34	36 SW 11.03

Sunrise: Time, 5.33; Character, Cloudy

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	83	83	83	69	65	63	63	63	63	63	63	63
Nature of precipitation and time of beginning and ending				RB 3.40						RE DN		
Amounts of precipitation				T	.23	.11	.19	.21	.10	.01		
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	S	S	S	W	NW	W	SW	S	SW	SW	S
Wind movement	30	26	26	23	10	3	17	11	14	11	7	7
Maximum velocities (exceeding 29 miles) direction and time	40 SW 12.30	31 S	31 S		30 W 4.18		36 W 6.20					

Sunset: Time, 5.30; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
Temperature	83	63	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .40 ins.

Total precipitation, midnight to midnight, .76 inches.

Character of day, Cloudy Moon phase, New Moon 1.34 A.

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0.1

Possible sunshine, hours, 12.0

Percentage of possible sunshine, 1

Prevailing direction S

Total movement, 428

Average hourly velocity, 17.8

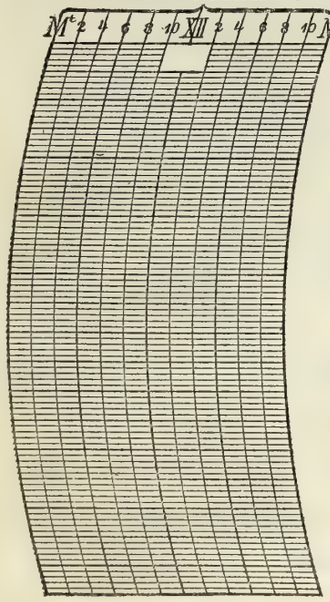
Maximum velocity,	Direction,	Time.
40	SW	Began 12.30 P.M.
Extreme velocity, 40	SW	12.32 P.M.

Relative humidity, 49 a. m., 100 p. m.

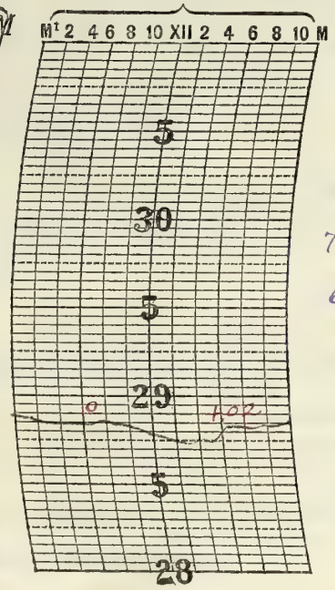
Reduced barometer, 29.72 a. m., 29.77 p. m.

River gage, 17 ft.

THERMOGRAPH.



BAROGRAPH.



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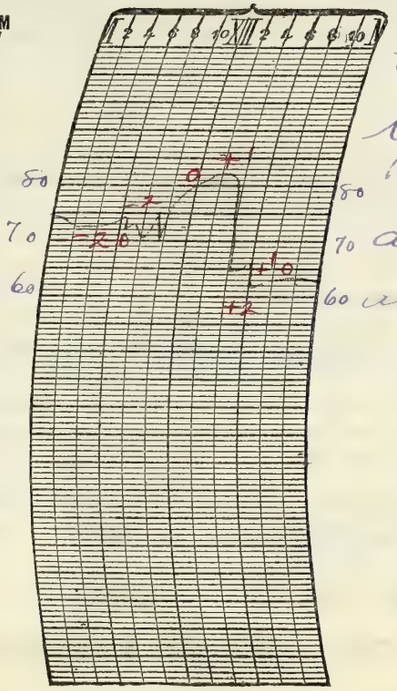


NOTES.

High, gusty winds prevailed during the day.

Thunder was heard from 3.55 P.M. and continued during the evening and ended 10 N.P.

Prepared by H.T.C.

Verified by J. R.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 28 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	60	60	60	60	62	64	66	68	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	5.35, Cloudy											
Sunshine (in tenths of hours)						0	0	0	0.1	0.6	1.0	1.0
Wind direction	S	S	SW	S	SW	SW	SW	SW	SW			
Wind movement	7	6	7	6	6	8	8	7	9	8	9	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	63	55	54	54	54	54	53	51	49	47	48
State of weather: Nature of precipitation and time of beginning and ending			TRP 2.35			TR 6.50						
Amounts of precipitation			T	.01	.01	.02						
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									5.29 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	W	W	W	W	SW	SW	SW	W	W	SW	SW
Wind movement	11	10	15	14	8	7	7	8	13	13	12	13

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
68	47	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .36 ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 2.7

Possible sunshine, hours, 11.9

Percentage of possible sunshine, 23

Prevailing direction SW

Total movement, 221

Average hourly velocity, 9.2

Maximum velocity, 24 Direction, W Time. Began 2.42

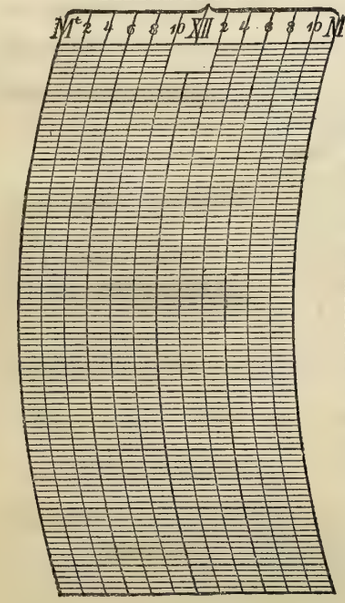
Extreme velocity, 24 W 2.42

Relative humidity, 92 a. m. 89 p. m.

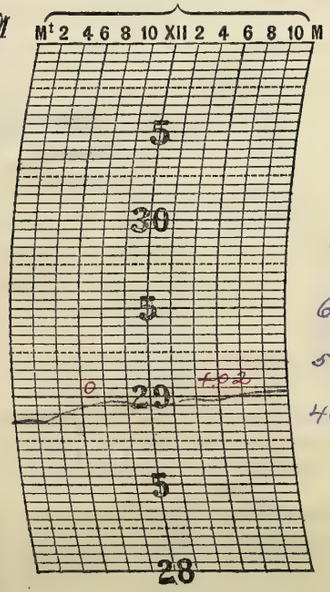
Reduced barometer, 29.88 a. m. 29.94 p. m.

River gage, 2.4 ft.

THERMOGRAPH.



BAROGRAPH.



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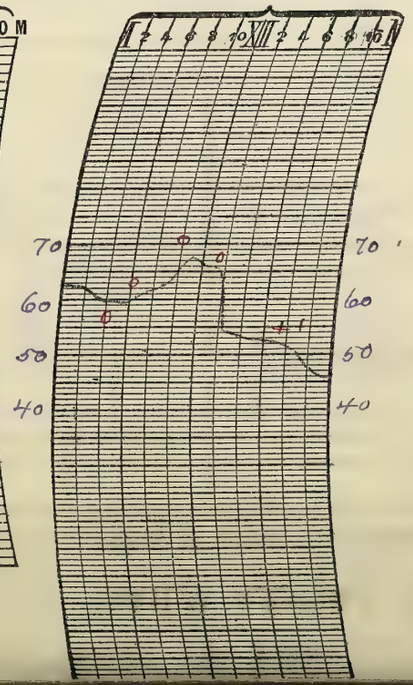


NOTES.

Prepared by J.A.C.

Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) SEP 29 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	48	47	46	45	44	43	45	47	48	49	50	52	54	52	50	49	48	46	43	42	41	40	39
State of weather: Nature of precipitation and time of beginning and ending			TRB DN	RE DN																				
Amounts of precipitation			.01	0.1																				
Cloudiness and other conditions						←	Pt Cloudy							Pt Cloudy				×	Clear					
Sunshine (in tenths of hours)		1				0	0	0.2	0.9	0.6	0.7	0.4	0.3	0.1	0.1	0.1	0	0						
Wind direction	SW	SW	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	0
Wind movement	13	12	10	15	15	15	12	11	13	16	17	14	17	18	17	15	14	8	7	6	6	3	1	0
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.36; Character, Cloudy

Sunset: Time, 5.27; Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
54	39	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Pt Cloudy; Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 3.4

Possible sunshine, hours, 11.8

Percentage of possible sunshine, 29

Prevailing direction NW

Total movement, 278

Average hourly velocity, 11.6

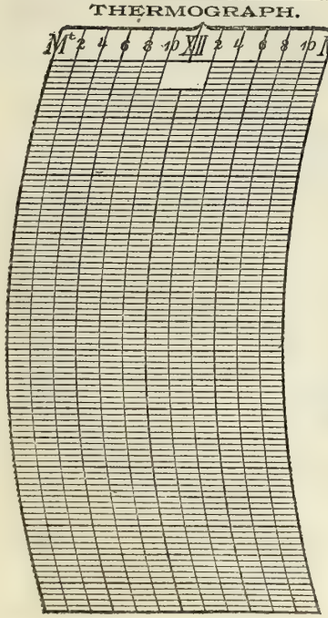
Maximum velocity,	Direction,	Time.
22	NW	Began 1.25 PM
Extreme velocity, 23	NW	1.25 PM

Relative humidity, 83 a. m., 54 p. m.

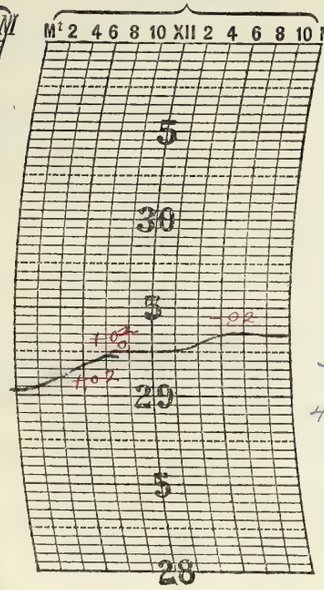
Reduced barometer, 30.13 a. m., 30.25 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



BAROGRAPH.



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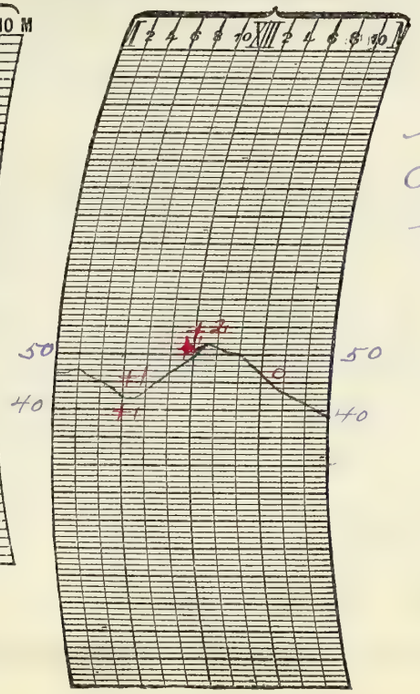


NOTES.

The following warning was recieved from CO at 9 25 AM. and disseminated in the morning forecast "frost tonight"

Prepared by HTC.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) SEP 30 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	37	36	35	34	35	39	44	51	52	53	54	55	56	56	56	55	53	51	48	46	44	42	41
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear								Clear								
Sunrise: Time, 5.37 Character, Clear																					Sunset: Time, 5.25 Character, Clear			
Sunshine (in tenths of hours)						.34 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	1.0 0	.42 0						
Wind direction	N	N	N	0	N	N	W	W	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	2	1	1	0	2	1	4	3	5	4	6	6	6	6	6	6	7	4	4	5	6	6	6	4
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
56	34	45	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 2

Actual sunshine, hours, 11.8

Possible sunshine, hours, 11.8

Percentage of possible sunshine, 100

Prevailing direction E

Total movement, 101

Average hourly velocity, 4.2

Maximum velocity, 9 Direction, E Time, Began 1.52 PM

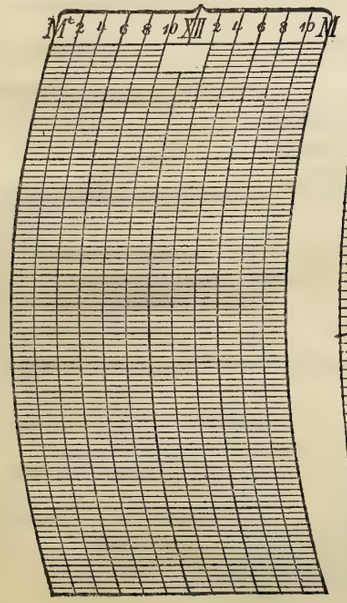
Extreme velocity, 9-E 1.52 PM

Relative humidity, 80 a. m. 45 p. m.

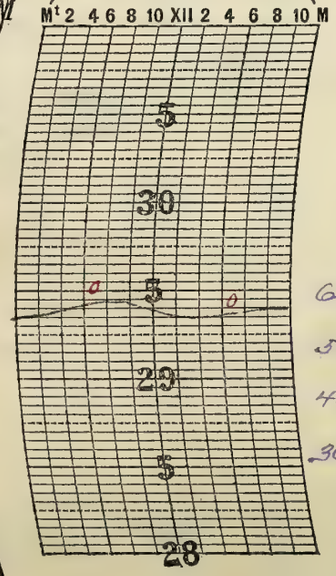
Reduced barometer, 30.36 a. m. 30.31 p. m.

River gage, 1.9 ft.

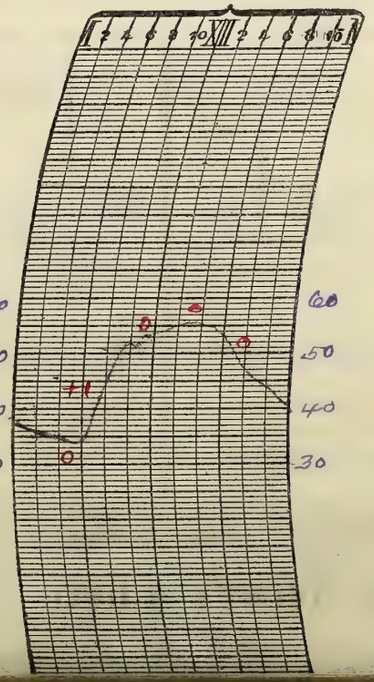
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy frost accompanied by a heavy frost deposit occurred in the morning.

Prepared by J.F.C.

Verified by P.M.C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

OCT 1 1916

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) ....., 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	38	38	37	37	36	38	45	51	56	59	62	64	65	66	66	65	61	59	57	54	51	48	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear										Clear								
Sunshine (in tenths of hours)						37 / 0	1.0 / 0	0.6 / 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1 / 0.9	1.0 / 0	.38 / 0						
Wind direction	NE	E	E	NE	NE	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	E	E	E	E	E	E
Wind movement	5	5	4	4	6	6	4	5	7	8	8	6	8	7	8	8	7	5	4	5	6	6	8	5
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 5.38; Character, Clear

Sunset: Time, 5.23; Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	66	36	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ...

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 11.8

Possible sunshine, hours, 11.8

Percentage of possible sunshine, 100

Prevailing direction SE

Total movement, 144.5

Average hourly velocity, 6.0

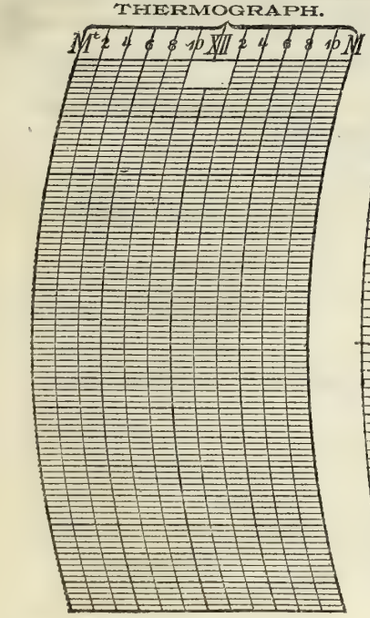
Maximum velocity,	Direction,	Time.
15	SE	Began 2.55 PM
Extreme velocity, 17	SE	2.55 PM

Relative humidity, 79 a. m., 48 p. m.

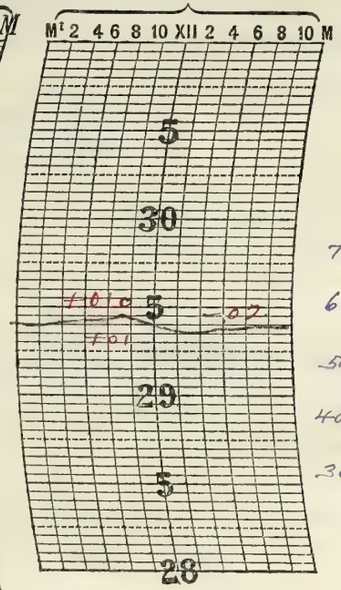
Reduced barometer, 30.39 a. m., 30.29 p. m.

River gage, 2.4 ft

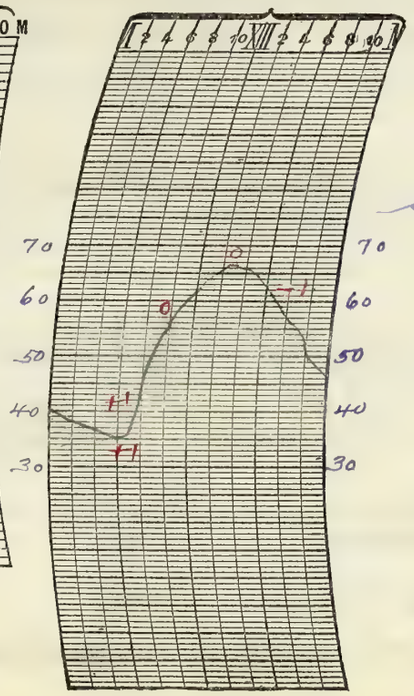
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost occurred in the morning. The sky was cloudless from sunrise to sunset.

Prepared by H.T.C.

Verified by P. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 2 1916, 191

Time (local standard), 7.0 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	44	43	42	41	40	43	48	60	66	70	71	73	74	75	74	73	70	66	64	63	61	59	57
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunshine (in tenths of hours)						.35 / 0	1.0 / 0	1.0 / 0	0.2 / 0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.1 / 0.9	1.0 / 0	.37 / 0						
Wind direction	E	E	E	E	E	E	E	E	SE	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	6	6	5	6	5	5	3	4	6	7	6	7	8	7	8	6	5	5	8	7	8	4	6

Sunrise: Time, 5.39; Character, Clear

Sunset: Time, 5.22; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

/ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
75	40	58	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ✓

Average daily cloudiness (0–10) ✓

Actual sunshine, hours, 11.1 ✓

Possible sunshine, hours, 11.7 ✓

Percentage of possible sunshine, 100 ✓

Prevailing direction SE ✓

Total movement, 143 ✓

Average hourly velocity, 6.0 ✓

Maximum velocity, 11 Direction, SE Time. Began 12.22 P.M.

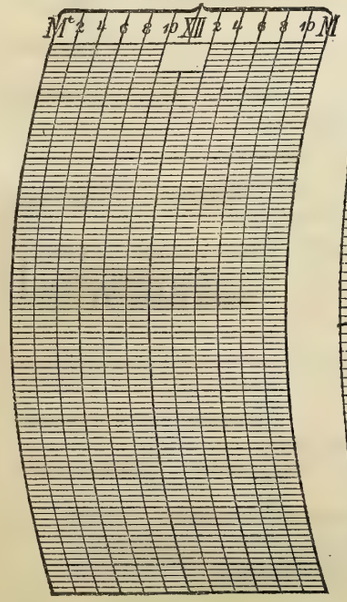
Extreme velocity, 11 SE 12.22

Relative humidity, 81 a. m. ✓ 45 p. m. ✓

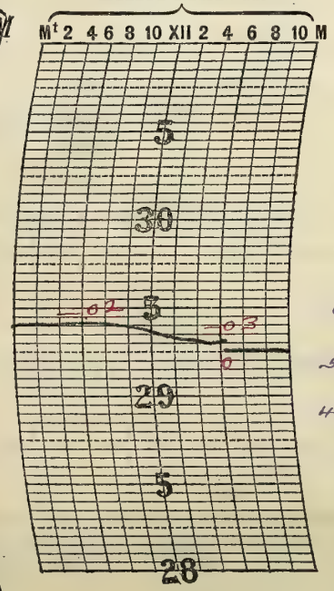
Reduced barometer, 30.33 a. m. 30.21 p. m. ✓

River gage, 2.2 ft. ✓

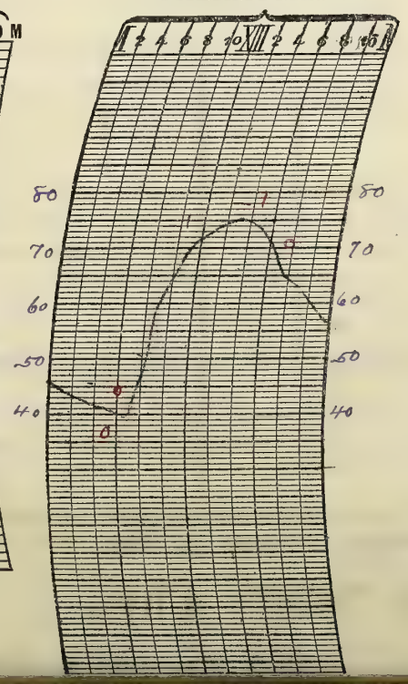
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.T.C.

Verified by P.M.A.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 3 1916, 191

Time (local standard) 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	55	53	51	49	46	44 46	50	61	69	72	75	76	77	78	77	75	72	69	67	65	63	61	58
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear									Clear								
Sunrise: Time, 5.40 Character, Clear																					Sunset: Time, 5.20 Character, Clear			
Sunshine (in tenths of hours)						.33 0	1.0 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	.33 0						
Wind direction	SE	SE	SE	SE	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	4	2	4	5	5	5	1	3	4	8	7	8	6	8	7	6	5	6	9	9	8	6	2
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
78	44	61	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 0

Actual sunshine, hours, 11.7

Possible sunshine, hours, 11.7

Percentage of possible sunshine, 100

Prevailing direction SE

Total movement, 133

Average hourly velocity, 5.5

Maximum velocity, 11 Direction, SE Time. Began 8.56 P.M.

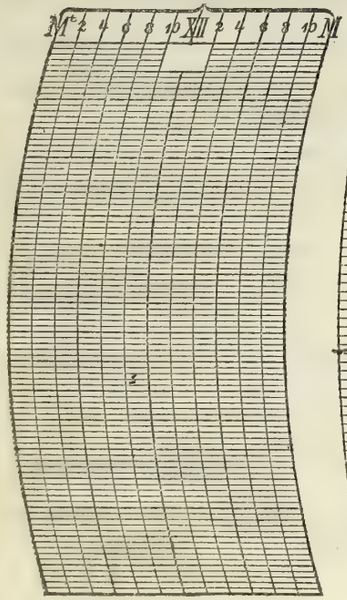
Extreme velocity, 11 SE 8.56 P.M.

Relative humidity, 74 a. m. 36 p. m.

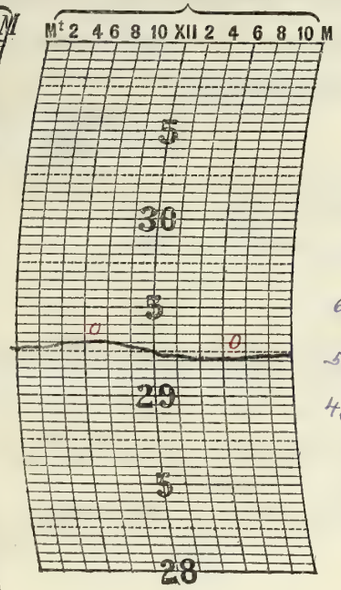
Reduced barometer, 30.24 a. m. 30.14 p. m.

River gage, 2.1 ft.

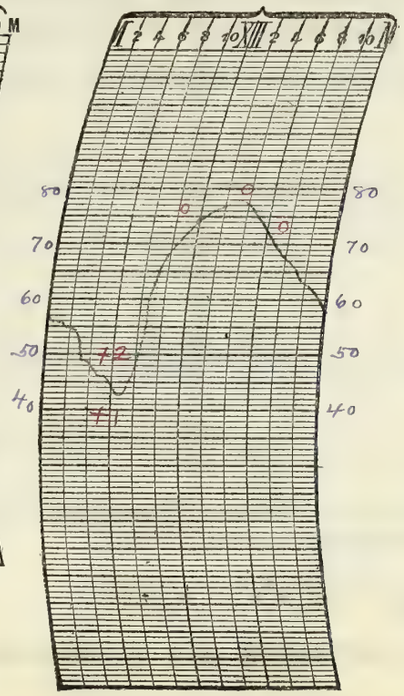
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by N.H.C.

Verified by P.M.C.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 4 1916 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	53	49	49	46	46	51	62	69	75	78	80	82	81	81	80	76	72	71	69	68	65	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear									Clear									
Sunrise: Time, Character, 5.41 Clear																					Sunset: Time, Character, 5.19 Clear			
Sunshine (in tenths of hours)						.32 0	1.0 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.32 0						
Wind direction	SE	SE	SE	SE	SE	E	E	E	SE	S	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	4	4	3	3	1	5	4	3	5	8	6	9	7	8	8	8	6	5	8	8	8	5	6	4
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
82	46	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, First Quarter

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 11.6

Possible sunshine, hours, 11.6

Percentage of possible sunshine, 100

Prevailing direction SE

Total movement, 136

Average hourly velocity, 5.7

Maximum velocity,	Direction,	Time.
12	SE	Began 2.19 PM

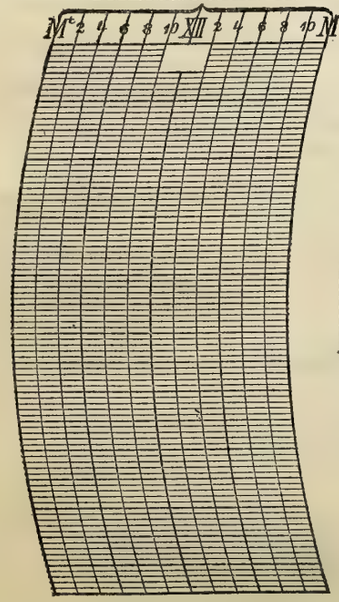
Extreme velocity, 12 SE 2.19 PM

Relative humidity, 79 a. m. 30 p. m.

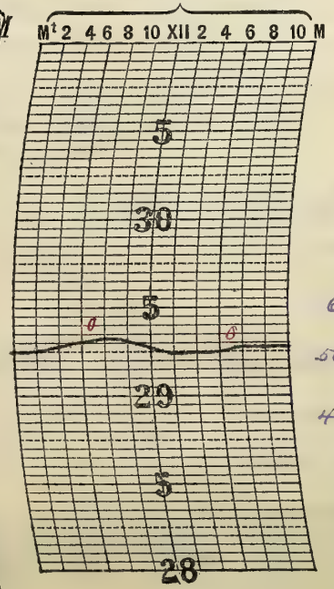
Reduced barometer, 30.24 a. m. 30.19 p. m.

River gage, 2.0 ft.

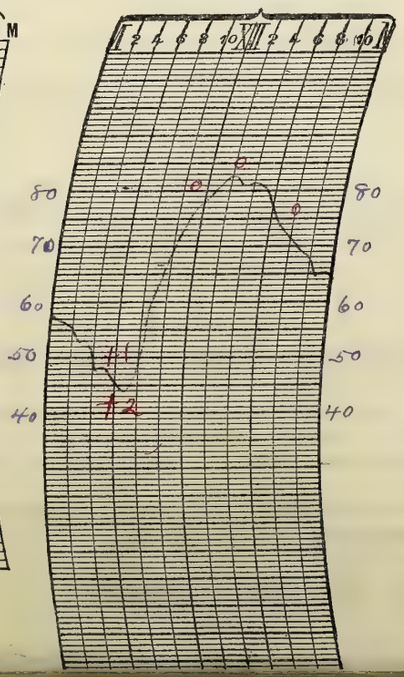
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by A.T.C.

Verified by A.M.C.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 5 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	60	59	58	52	54	54	56	66	72	76	78	81	83	84	83	82	79	74	71	68	66	65	63
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunshine (in tenths of hours)						.30 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0 8	.28 0						
Wind direction	SE	SE	SE	SE	SE	SE	SE	E	S	S	SW	SW	S	S	S	SW	SW	SW	S	S	S	SW	SW	SW
Wind movement	3	2	4	3	2	3	2	3	7	7	4	6	0	5	6	6	4	3	5	5	7	6	8	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.42 Character, Clear

Sunset: Time, 5.17 Character, Clear

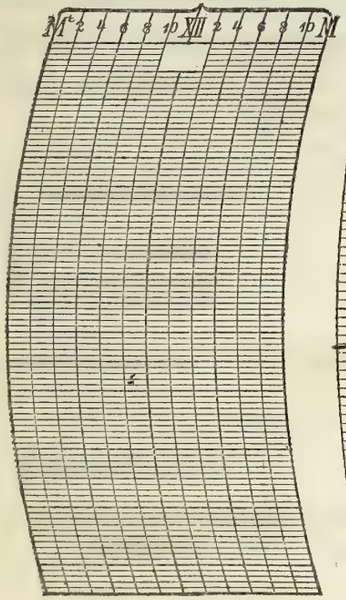
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	84	50	67	

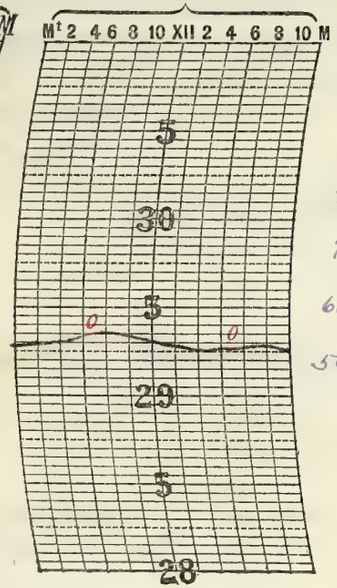
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10) 0
Actual sunshine, hours, 11.6
Possible sunshine, hours, 11.6
Percentage of possible sunshine, 100
Prevailing direction S SW
Total movement, 117
Average hourly velocity, 4.9

Maximum velocity, 10 Direction, S Time. Began 9.21 A.M.
Extreme velocity, 10 S 9.21 A.M.
Relative humidity, 68 a. m. 44 p. m.
Reduced barometer, 30.30 a. m. 30.19 p. m.
River gage, 2.0 ft.

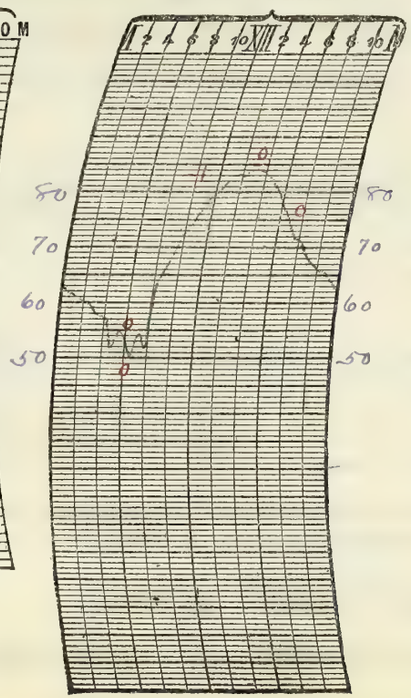
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.T.C.
Verified by P. McK.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 6 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	59	58	57	56	56	58	61	65	67	70	72	74	75	74	71	68	65	62	61	58	57	56
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunrise: Time, 5.43 Character, Clear																					Sunset: Time, 5.15 Character, Clear			
Sunshine (in tenths of hours)						.28 0	1.0 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	1.0 0	.25 0						
Wind direction	SW	SW	SW	W	NW	NW	NW	NW	N	N	NE	NE	NE	N	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	8	8	6	5	5	4	4	6	5	7	7	6	5	5	7	6	6	6	6	6	4	2	2	3

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
75	56	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 1

Actual sunshine, hours, 11.5

Possible sunshine, hours, 11.5

Percentage of possible sunshine, 100

Prevailing direction N. NE

Total movement, 129

Average hourly velocity, 5.4

Maximum velocity,	Direction,	Time.
9	NE	Began 10.18 AM

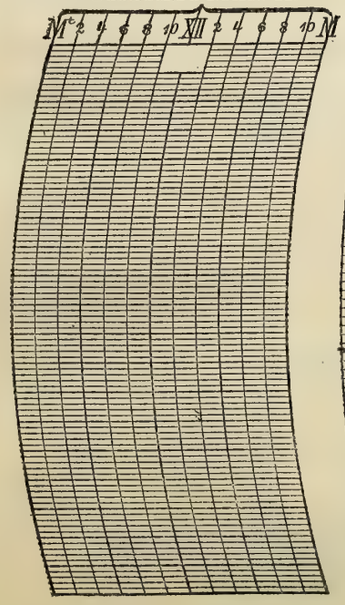
Extreme velocity, 9 - NE - 10.18 AM

Relative humidity, 82 a. m. 53 p. m.

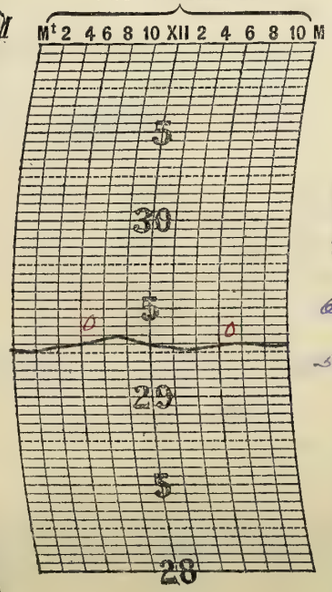
Reduced barometer, 30.23 a. m. 30.22 p. m.

River gage, 2.0 ft

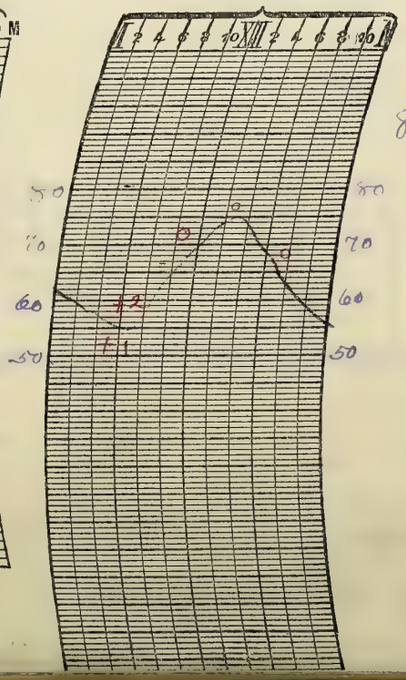
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze prevailed from 8.00 A.M. to 5.00 P.M.

Prepared by N.T.C.

Verified by O.M.E.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 7 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	54	53	52	52	51	52	60	66	73	78	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunrise: Time, 5.44 Character, Clear												
Sunshine (in tenths of hours)						.27 0	1.0 0	0.9 0.1	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	E	E	E	E	SE	S	S	S	SW
Wind movement	3	3	4	3	2	1	1	4	5	6	8	6

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	82	84	85	84	83	79	76	73	71	69	68	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear									
Sunset: Time, 5.14 Character, Clear												
Sunshine (in tenths of hours)	1.0	1.0	1.0	.04 0.6	1.0 0	.23 0						
Wind direction	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	7	5	7	5	4	5	6	5	6	8	8	7

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	85	51	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 0

Actual sunshine, hours, 11.5

Possible sunshine, hours, 11.5

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 119

Average hourly velocity, 5.0

Maximum velocity,	Direction,	Time.
9	S	Began 10.16 P.M.

Extreme velocity, 9 – S – 10.16 P.M.

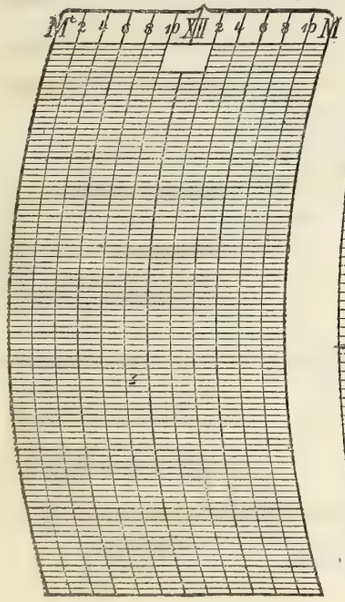
Relative humidity, 82 a. m. 57 p. m.

Reduced barometer, 30.24 a. m. 30.12 p. m.

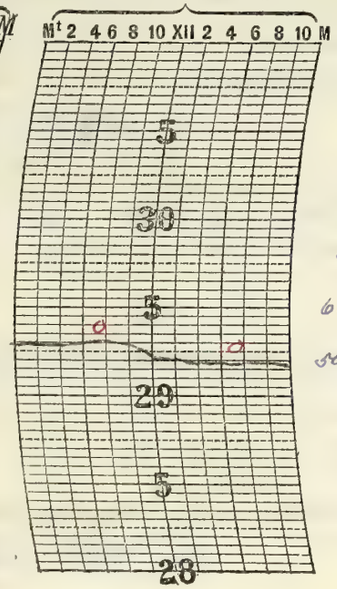
River gage, 1.9 ft

NOTES.

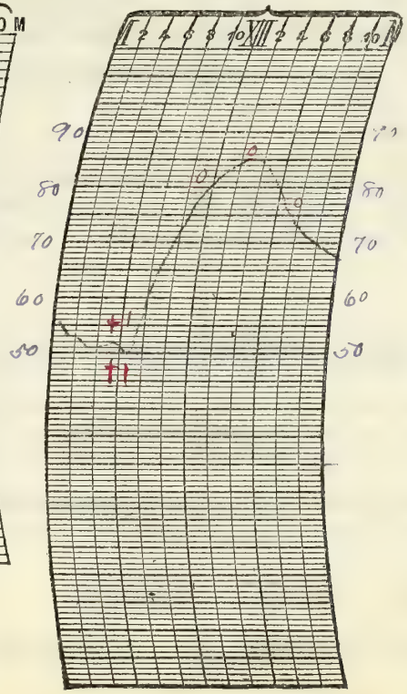
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by J.J.O.
Verified by P. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 8 1916 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	64	63	62	62	61	61	65	72	80	83	84	85	86	86	85	84	81	78	76	74	72	66	67
Nature of precipitation and time of beginning and ending																							RR 10.05	
Amounts of precipitation																							.12	T
Cloudiness and other conditions						Clear							Pt Cldy				Cldy		Pc			Cldy		
Sunshine (in tenths of hours)						.25 0	1.0 0	0.4 0.6	1.0	1.0	1.0	0.8	0.4	0.5	0.2	0	0	0						
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	7	6	7	7	5	9	7	8	9	12	15	12	11	12	10	7	5	6	8	4	10	12	9

State of weather.

Sunrise: Time, 5.45 Character, Clear

Sunset: Time, 5.12 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	86	61	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .12 inches.

Character of day, Pt Cloudy Moon phase, 1

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 7.2

Possible sunshine, hours, 11.5

Percentage of possible sunshine, 63

Prevailing direction SW

Total movement, 205

Average hourly velocity, 8.5

Maximum velocity, 18 Direction, W Time. Began 10.12 P.M.

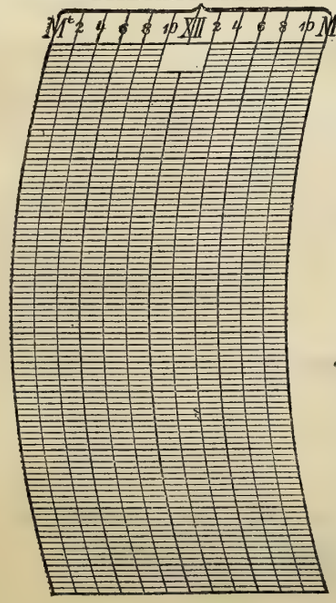
Extreme velocity, 19 - W - 10.12 P.M.

Relative humidity, 84 a. m. 51 p. m.

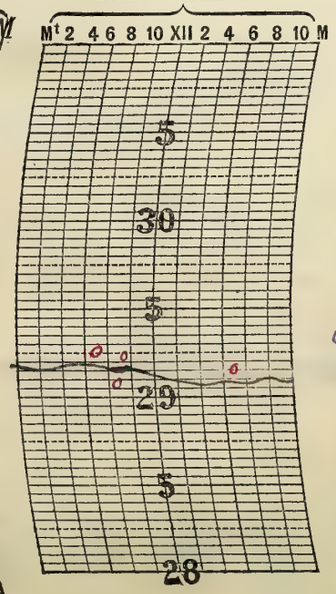
Reduced barometer, 30.10 a. m. 29.99 p. m.

River gage, 1.9 ft

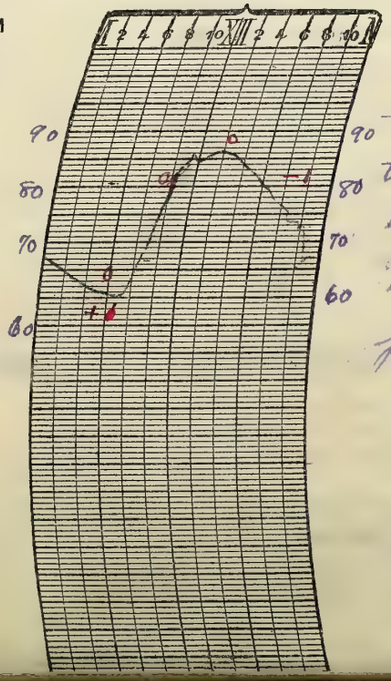
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Lightning was first seen in the northwest at 6.40 P.M. and thunder was heard from 10.15 P.M and ended D.N.P.

The day was warm and rather pleasant.

Prepared by J.T.C.

Verified by T.M.G.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 9 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	67	66	64	59	58	56	55	52	50	49	51
State of weather: Nature of precipitation and time of beginning and ending	RE DN						RB 6.55			RE 9.20		
Amounts of precipitation	.02						T	.11	.02	.01		
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 5.46 Character, Cloudy												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	SW	SW	NW	NW	NW	N	N	N	N	N	N
Wind movement	11	9	7	10	10	9	9	9	13	11	11	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	51	52	52	52	51	50	50	48	46	44	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunset: Time, 5.10 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	13	12	12	12	7	6	6	7	7	7	5	6

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
67	42	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .14 ins.; to 7 p. m., .14 ins.

Total precipitation, midnight to midnight, .16 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 11.4

Percentage of possible sunshine, 0

Prevailing direction N

Total movement, 221

Average hourly velocity, 9.2

Maximum velocity,	Direction,	Time.
16	N	Began 12.10 P.M.

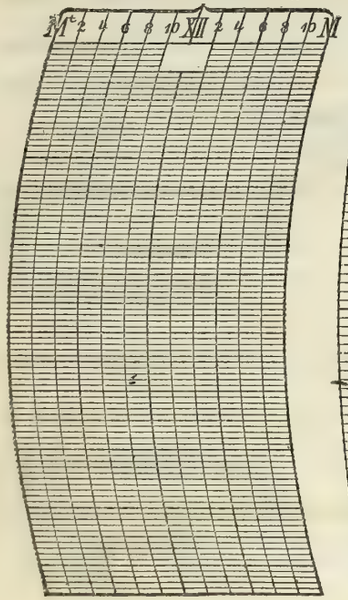
Extreme velocity, 17 - N - 12.10 P.M.

Relative humidity, 97 a. m., 65 p. m.

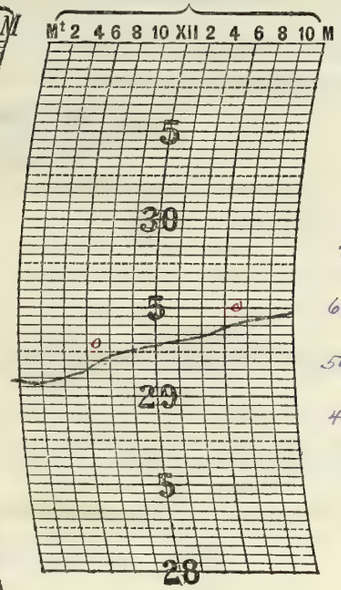
Reduced barometer, 30.07 a. m., 30.32 p. m.

River gage, 1.9 ft

THERMOGRAPH.



BAROGRAPH.



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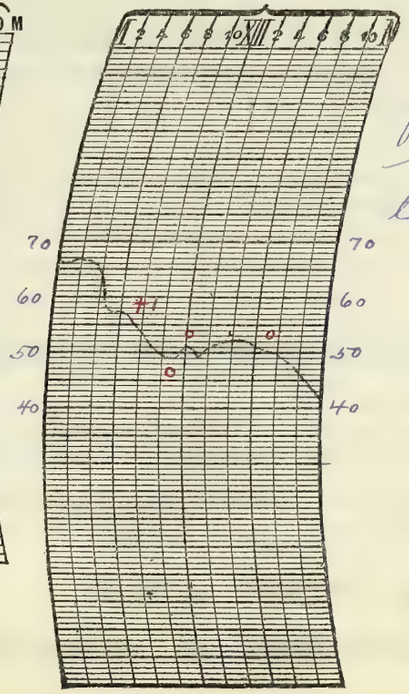


NOTES.

The following warning was recieved from "C.O." at 9.30 A.M. and disseminated in the morning forecasts: "Much colder tonight with frost if weather clears"

Prepared by W.J.R.

Verified by P.M.C.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 10 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	38	37	36	35	37	38	44	48	50	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear								
Sunrise: Time, 5.47 Character, Clear												
Sunshine (in tenths of hours)						.22 0	1.0 0	02 0.8	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	NE	N	NE	NE	N	NW
Wind movement	4	5	4	4	4	4	4	2	4	3	5	6
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	55	54	55	53	52	48	47	45	44	43	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear								
Sunset: Time, 5.09 Character, Clear												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.5 0.5	1.0 0	.15 0						
Wind direction	NW	NW	NW	W	NW	W	W	NW	NW	NW	NW	NW
Wind movement	6	7	8	8	7	4	4	6	6	4	2	2
Maximum velocities (exceeding 29 miles) direction and time												

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
	55	35	45	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear, Moon phase, –

Average daily cloudiness (0-10) Few

Actual sunshine, hours, 114

Possible sunshine, hours, 114

Percentage of possible sunshine, 100

Prevailing direction NW

Total movement, 113

Average hourly velocity, 4.7

Maximum velocity, 10, Direction, NW, Time. Began 10 9 P.M.

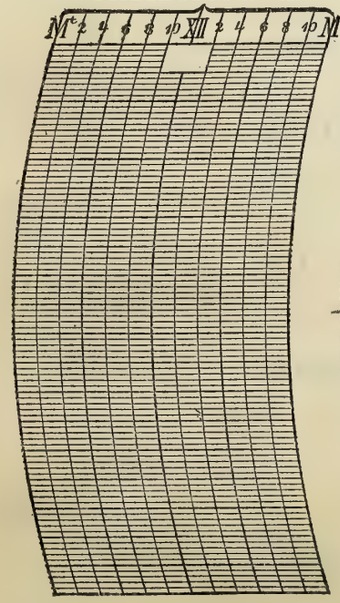
Extreme velocity, 10 – NW – 10 9 P.M.

Relative humidity, 83 a. m., 67 p. m.

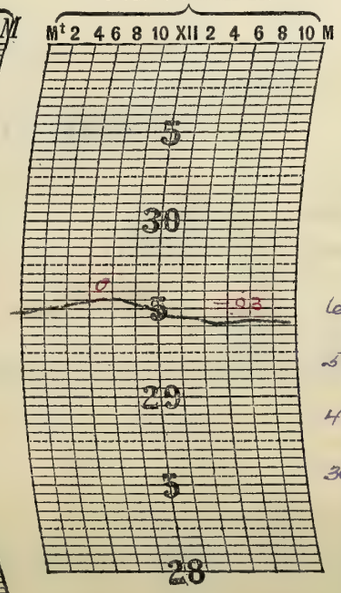
Reduced barometer, 30.49 a. m., 30.34 p. m.

River gage, 2.0 ft

THERMOGRAPH.



BAROGRAPH.



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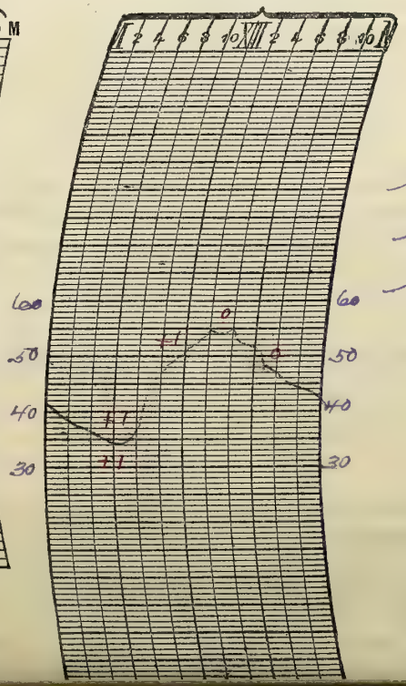


NOTES.

Light frost occurred in the morning. The following warning was received from "CO" at 9 23 A.M. and disseminated in the morning forecasts: Frost tonight, probably heavy."

Prepared by M.A.C.

Verified by P.M.C.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday (Date) OCT 11 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	39	38	37	35	34	37	43	50	53	55	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)						1.2 0	1.0 0	0.5 0.5	1.0	1.0	1.0	1.0
Wind direction	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW
Wind movement	4	2	3	4	6	5	5	6	6	7	8	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	61	62	61	60	58	54	53	50	47	45	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear								
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.6 0.4	1.0 0	1.2 0						
Wind direction	SW	SW	W	W	W	W	W	0	0	0	0	W
Wind movement	8	8	7	5	5	2	1	0	0	0	0	1

Maximum velocities (exceeding 29 miles) direction and time

Sunrise: Time, 5.48 Character, Clear

Sunset: Time, 5.07 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
62	34	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, Full Moon

Average daily cloudiness (0–10) 0

Actual sunshine, hours, 11.3

Possible sunshine, hours, 11.3

Percentage of possible sunshine, 100

Prevailing direction SW

Total movement, 101

Average hourly velocity, 4.2

Maximum velocity, 12 Direction, SW Time. Began 11.16 AM

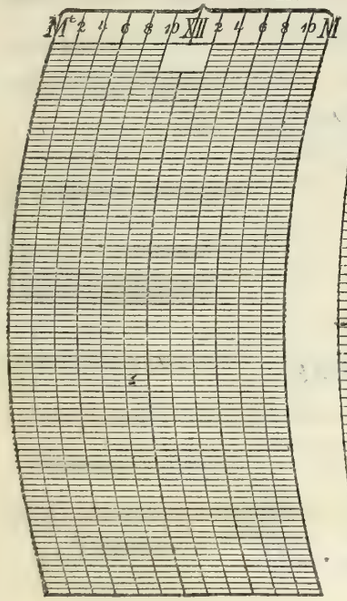
Extreme velocity, 12 - SW - 11.16 AM

Relative humidity, 83 a. m. 50 p. m.

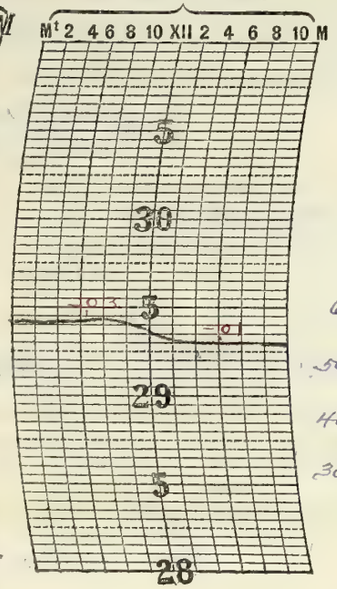
Reduced barometer, 30.35 a. m. 30.23 p. m.

River gage, 2.0 ft

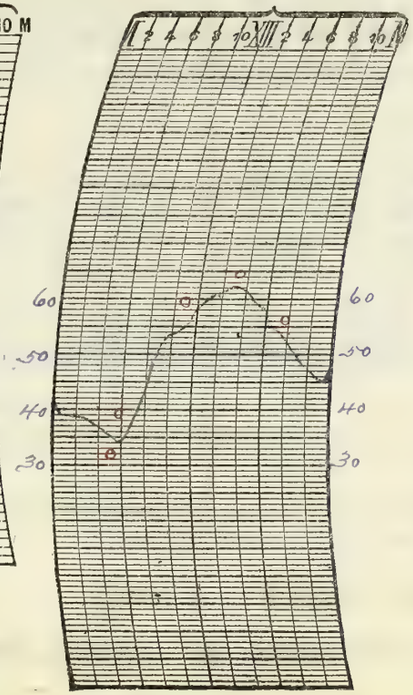
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light fog prevailed from D.N.A. to 6 30 AM.
Heavy frost occurred in the morning.

Prepared by H.F.S.
Verified by P.M.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 12 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	43	44	44	45	47	49	50	55	59	62	64
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)						0	0	0	0	0.3	0	0.1
Wind direction	SE	SE	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	2	2	4	4	3	7	7	7	9	10	8	11

Sunrise: Time, 5.49 Character, Cloudy

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	65	66	65	61	61	61	61	61	62	60	58	56
Nature of precipitation and time of beginning and ending				RR 3.15		RE 5.45				RR 7.20		
Amounts of precipitation				T	.02	T				.04	.08	.09
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	S	S	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	12	12	11	8	6	4	10	11	13	15	17	11

Sunset: Time, 5.06 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
66	43	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .23 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0.4

Possible sunshine, hours, 11.3

Percentage of possible sunshine, 4

Prevailing direction S

Total movement, 204

Average hourly velocity, 8.5

Maximum velocity,	Direction,	Time.
26	SW	Began 10.06 P.M.

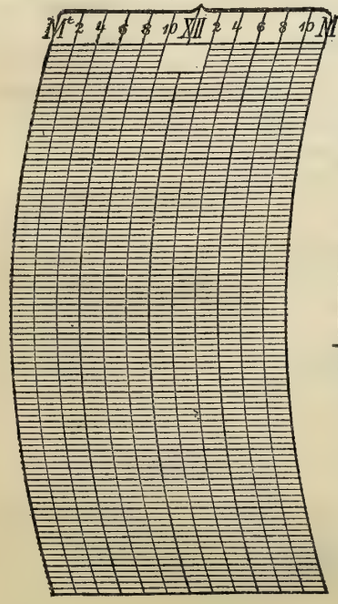
Extreme velocity, 26 SW 10.06 P.M.

Relative humidity, 56 a. m., 51 p. m.

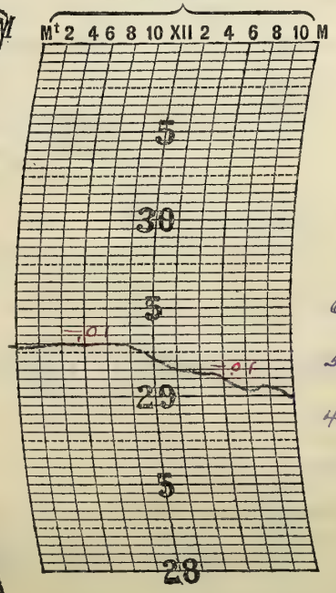
Reduced barometer, 30.21 a. m., 29.99 p. m.

River gage, 2.0 ft

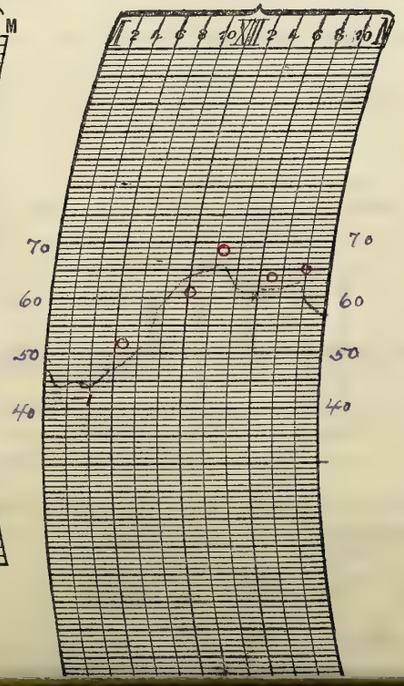
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.F.C.

Verified by F.M.C.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 13 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	60	61	61	60	58	58	60	57	55	56	54
										RE 9.50		RB 11.55
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T	T	T	.03	.01	.02	.01	T	.01		T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	5.51 Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW
Wind movement	14	17	18	16	18	17	21	17	22	20	21	17
Maximum velocities (exceeding 29 miles) direction and time										30 W 9.04		

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	57	55	53	51	49	48	46	45	44	44	42
	RE 12.10											
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T											
Cloudiness and other conditions	Pt Cldy				Clear							
Sunset: Time, Character,									5.04 Cloudy			
Sunshine (in tenths of hours)	0	0	0.7	0.2	0	0						
Wind direction	W	W	NW	NW	NW	NW	NW	NW	NW	N	NE	N
Wind movement	17	17	17	14	13	9	7	7	6	3	3	2

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
61	42	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .27 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .08 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 0.9

Possible sunshine, hours, 11.2

Percentage of possible sunshine, 8

Prevailing direction NW

Total movement, 333

Average hourly velocity, 13.9

Maximum velocity, 30 Direction, W Time. Began 9.04 AM.

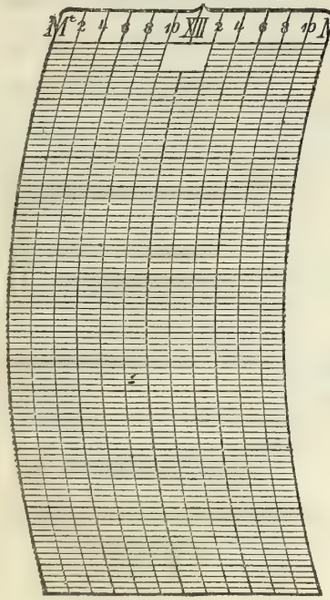
Extreme velocity, 31 W 9.09 AM.

Relative humidity, 100 a. m. 70 p. m.

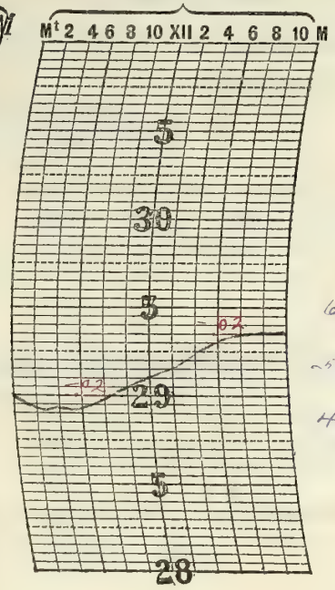
Reduced barometer, 29.81 a. m. 30.26 p. m.

River gage, 2.0 ft

THERMOGRAPH.



BAROGRAPH.



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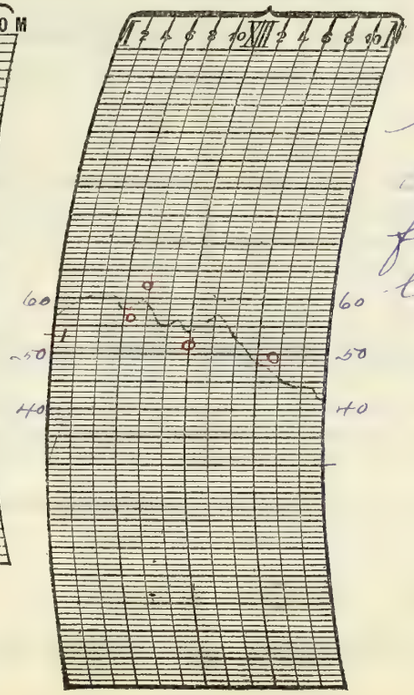


NOTES.

The following warning was received from "CO" at 9.29 AM. and disseminated in the morning forecasts "cooler tonight possibly light frost north portion".

Prepared by T.F.C.

Verified by P.M.S.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 14 1916 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	41	40	38	38	37	38	45	54	56	57	58	60	61	61	60	58	56	55	52	50	50	49	49
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions			←				Clear								×	Pt Cldy	×		Clear					→
Sunrise: Time, 5.52, Character, Clear																								
Sunset: Time, 5.02, Character, Cloudy																								
Sunshine (in tenths of hours)						1.3 / 0	1.0 / 0	0.7 / 0.3	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0	0	0						
Wind direction	SW	SW	0	0	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SE	SE	S	S	S	S	S
Wind movement	2	1	0	0	2	3	3	3	5	7	7	7	9	8	7	6	5	6	7	6	7	10	9	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
61	34	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 8.7

Possible sunshine, hours, 11.2

Percentage of possible sunshine, 79

Prevailing direction SW

Total movement, 126

Average hourly velocity, 5.2

Maximum velocity,	Direction,	Time.
12	S	Began 9.49 P.M.

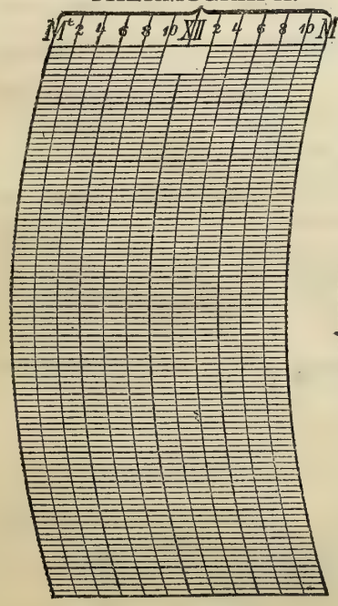
Extreme velocity, 12 - S - 9.49 P.M.

Relative humidity, 41 a. m. 47 p. m.

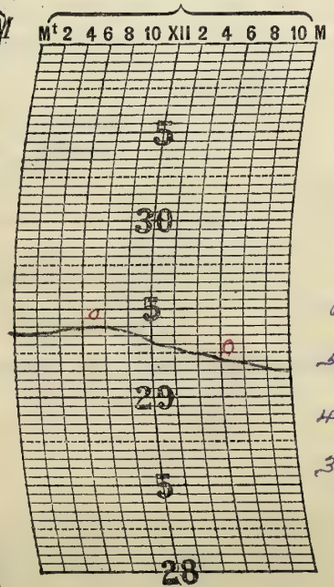
Reduced barometer, 30.35 a. m. 30.13 p. m.

River gage, 2.0 ft

THERMOGRAPH.



BAROGRAPH.



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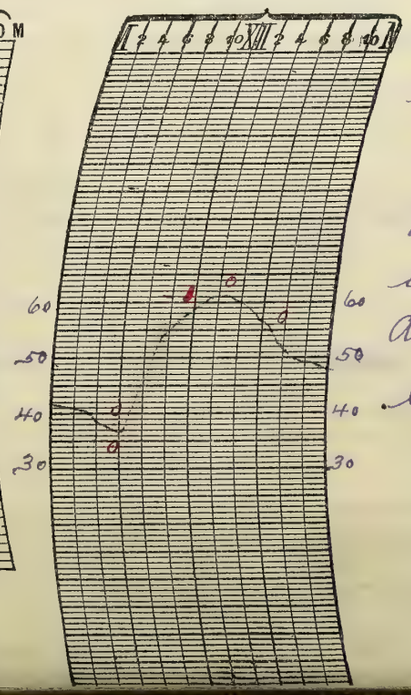


NOTES.

Light frost occurred in the early morning.

Light fog prevailed from 5.45 A.M. to 7.30 A.M. The fog was rather dense in the outlying sections of the city during that time.

Ci. St. clouds prevailed during the day.

Prepared by H.T.C.

Verified by P.M.C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 15 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	47	47	47	47	48	48	51	55	58	59	60	61	60	59	58	57	53	53	52	52	51	51	50
State of weather: Nature of precipitation and time of beginning and ending																		RB 5.55			RE 8.45			
Amounts of precipitation																		T	.01	T	T			
Cloudiness and other conditions							Cloudy										Cloudy							
Sunshine (in tenths of hours)						0	0	0	0.1	0.2	0.4	0	0	0	0	0	0	0						
Wind direction	S	SW	SW	SW	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	7	8	8	7	7	7	9	14	14	14	13	15	14	13	11	10	10	10	9	12	11	10	11

Sunrise: Time, 5.53; Character, Cloudy

Sunset: Time, 5.01; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

	Maximum.	Minimum.	Mean.	Normal.
	61	47	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0–10), 10

Actual sunshine, hours, 0.7

Possible sunshine, hours, 11.1

Percentage of possible sunshine, 6

Prevailing direction SW

Total movement, 251

Average hourly velocity, 10.5

Maximum velocity, 17. Direction, SW. Time. Began 12.28 P.M.

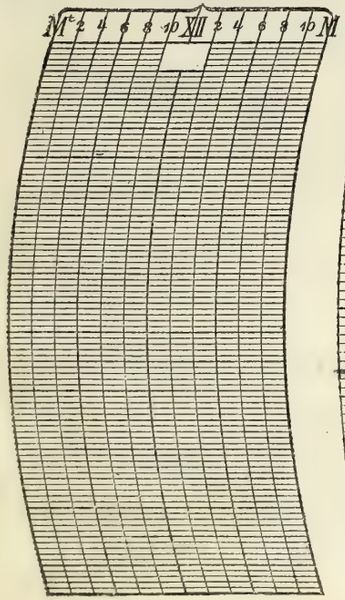
Extreme velocity, 17 – SW – 12.28 P.M.

Relative humidity, 79 a. m., 91 p. m.

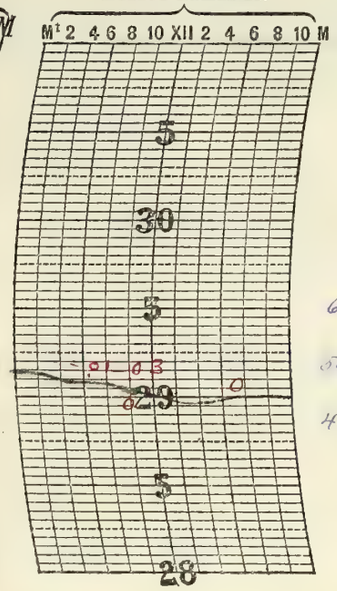
Reduced barometer, 29.99 a. m., 29.91 p. m.

River gage, 2.2 ft.

THERMOGRAPH.



BAROGRAPH.



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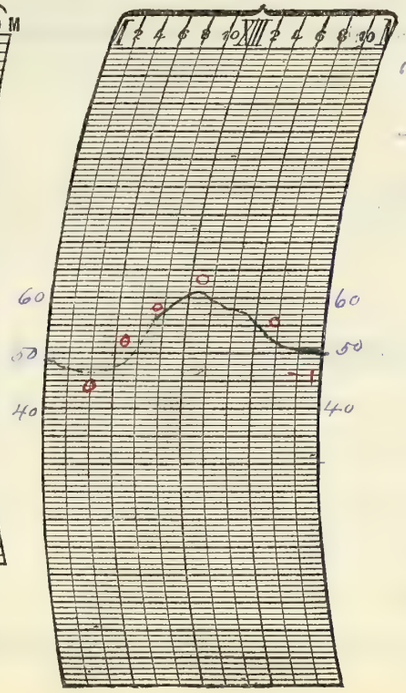


NOTES.

The sun shone through openings in the clouds during part of the forenoon.

Prepared by JHC

Verified by P.M.L.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 16 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	51	51	52	52	52	53	53	53	53	55	59	63	65	65	65	64	64	64	64	64	55	54	50	47
State of weather: Nature of precipitation and time of beginning and ending																					RB 8.55		RE DN	
Amounts of precipitation																					T	T	T	
Cloudiness and other conditions	Cloudy									× Pt	Cldy			×	Cldy			× P.C.	× Clear	× P.C.	Cldy			
Sunshine (in tenths of hours)						0	0	0	0	0.2	0.9	0.8	0.7	0.2	0.2	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	NW
Wind movement	11	9	8	7	8	7	9	9	12	14	17	18	24	22	19	22	23	20	21	23	23	18	22	16
Maximum velocities (exceeding 29 miles) direction and time																					30 NW 8.53			

Sunrise: Time, 5.54 Character, Cloudy

Sunset: Time, 4.59 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
65	47	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 9

Actual sunshine, hours, 3.0

Possible sunshine, hours, 11.1

Percentage of possible sunshine, 27

Prevailing direction SW

Total movement, 382

Average hourly velocity, 15.9

Maximum velocity, 30 Direction, NW Time. Began 8.53 PM

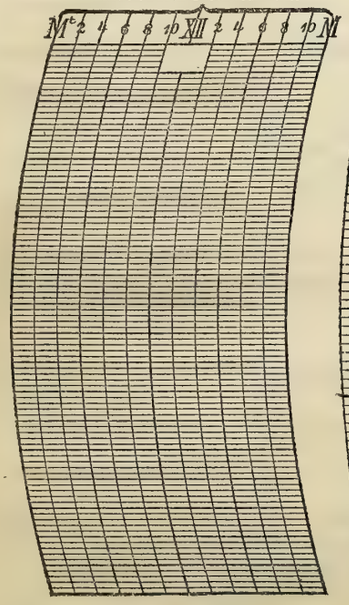
Extreme velocity, 31 – NW – 8.53 PM

Relative humidity, 88 a. m. 76 p. m.

Reduced barometer, 29.90 a. m. 29.66 p. m.

River gage, 2.0

THERMOGRAPH.



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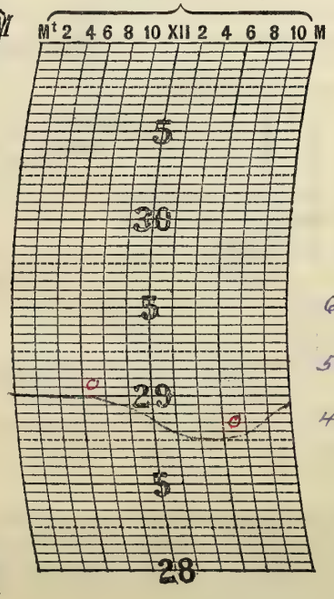

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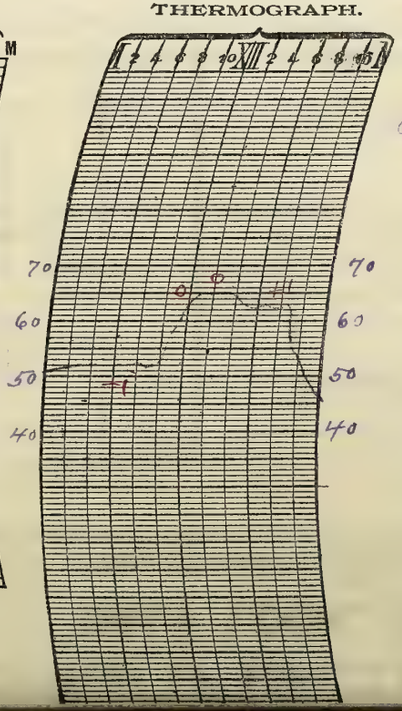


NOTES.

Strong winds prevailed during the afternoon and evening.

Prepared by W.T.C.

Verified by P.M.C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 17 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	46	45	44	43	42	40	41	42	43	44	45	46
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear							
Sunrise: Time, Character, 5.55 Clear												
Sunshine (in tenths of hours)						.08 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	N	N	N	N
Wind movement	12	12	10	4	4	5	7	11	12	11	10	8
Maximum velocities (exceeding 25 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	49	50	50	49	47	45	42	41	40	38	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear →							
Sunset: Time, Character, 4.58 Clear												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8 0.2	.97 0							
Wind direction	NE	N	N	NE	NE	NE	NE	NE	NE	E	E	E
Wind movement	7	7	6	7	7	4	5	6	6	7	6	7

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
50	37	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) Few

Actual sunshine, hours, 11.0

Possible sunshine, hours, 11.0

Percentage of possible sunshine, 100

Prevailing direction N, NE, NW.

Total movement, 181

Average hourly velocity, 7.5

Maximum velocity,	Direction,	Time.
16	NW	Began 12.47 AM.

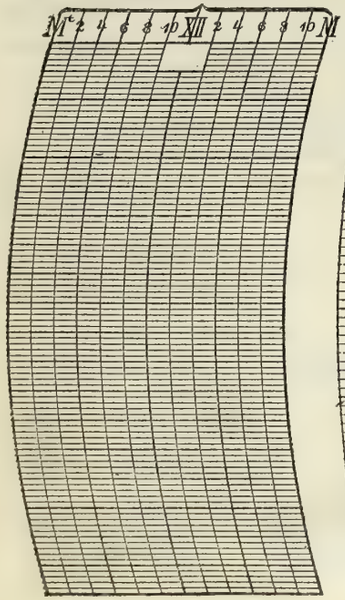
Extreme velocity, 16 – NW – 12.47 AM

Relative humidity, 71 a. m., 55 p. m.

Reduced barometer, 30.14 a. m., 30.27 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



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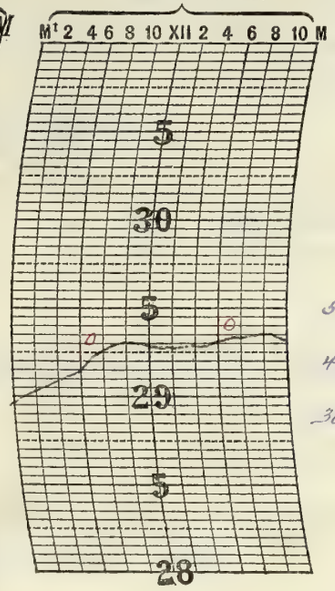
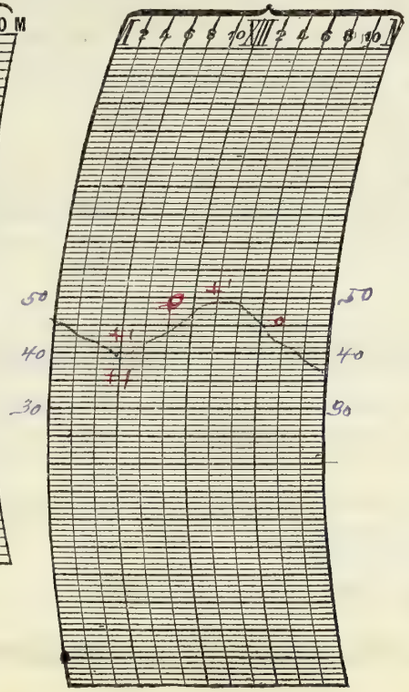


THERMOGRAPH.



NOTES.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 18 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	34	33	33	34	36	38	43	48	51	54	55	56	57	56	56	55	54	49	48	47	47	47
State of weather: Nature of precipitation and time of beginning and ending																			RB 6.00					
Amounts of precipitation																			T	.07	.03	.12	.09	.02
Cloudiness and other conditions					←	Pt	Cloudy								Cloudy									
Sunshine (in tenths of hours)						0	0	0.1	1.0	1.0	1.0	1.0	0.5	0.3	0	0	0							
Wind direction	E	E	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NE	E	E	E
Wind movement	7	7	8	8	8	10	10	10	12	13	13	16	14	13	13	12	12	10	9	9	9	10	11	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5.56 Character, Cloudy

Sunset: Time, 4.56 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
57	33	45	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .33 inches.

Character of day, Cloudy Moon phase, Last Quarter 7 P.M.

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 4.9

Possible sunshine, hours, 11.0

Percentage of possible sunshine, 45

Prevailing direction E

Total movement, 254

Average hourly velocity, 10.6

Maximum velocity, 22 Direction, E Time. Began 11.30 A.M.

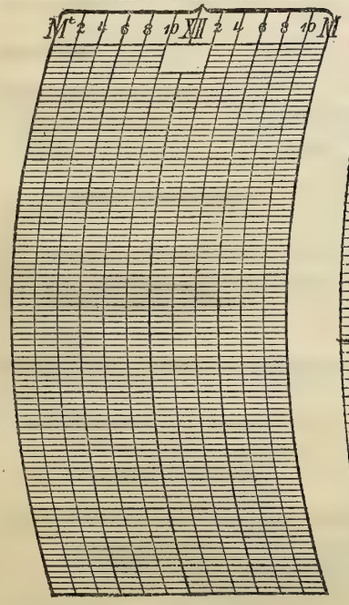
Extreme velocity, 22 - E - 11.30 A.M.

Relative humidity, 77 a. m., 100 p. m.

Reduced barometer, 30.28 a. m., 29.99 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



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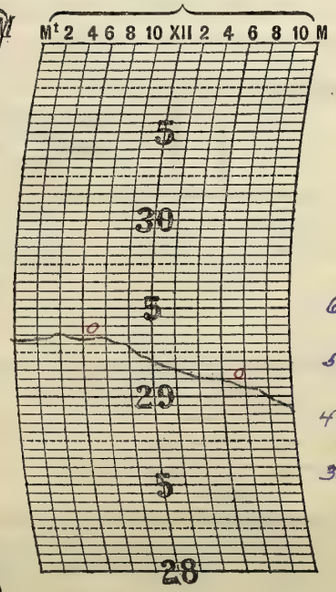

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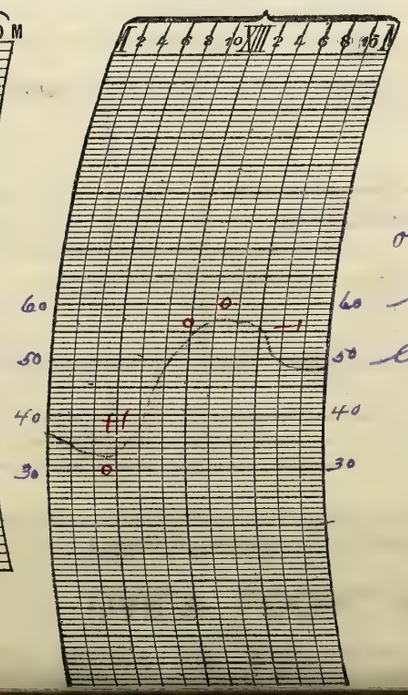


NOTES.

Heavy frost, with a light frost deposit, occurred in the morning.
A brilliant solar halo of 22° arc was observed from 9.00 A.M. to 2.00 P.M.
Ci, St clouds were observed during the day until 3.00 P.M.

Prepared by H.F.C.
Verified by P.M.L.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 19 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	48	48	48	47	48	49	49	50	51	52	54
Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.02	.05	.03	.05	.03	.02	.01	T	.01	.04	.02	.02
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	E	NE	NE	NE	NE	NE	NE	NE	NE	SE	S
Wind movement	10	9	8	10	10	7	7	6	5	4	3	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	56	56	56	56	56	56	55	54	53	53
Nature of precipitation and time of beginning and ending	RE 12.50					RD 5.15						
Amounts of precipitation						.01	.01	.01	.01	T	T	.01
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	S	S	SW	SW	SW	SW	SW
Wind movement	8	11	10	10	8	9	12	12	10	12	10	7

State of weather.

Sunrise: Time, 5.57; Character, Cloudy

Sunset: Time, 4.55; Character, Cloudy

Maximum.	Minimum.	Mean.	Normal.
56	47	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .54 ins.; to 7 p. m., .11 ins.

Total precipitation, midnight to midnight, .35 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 11.0

Percentage of possible sunshine, 0

Prevailing direction SW

Total movement, 204

Average hourly velocity, 8.5

Maximum velocity,	Direction,	Time.
14	SW	Began 8.30 P.M.

Extreme velocity, 14 - SW - 8.30 P.M.

Relative humidity, 96 a. m., 100 p. m.

Reduced barometer, 29.63 a. m., 29.63 p. m.

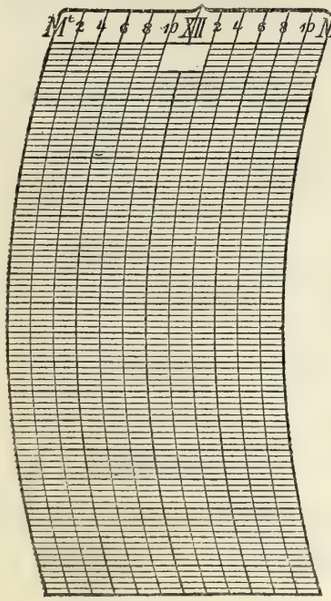
River gage, 2.0 ft.

Maximum velocities (exceeding 29 miles) direction and time

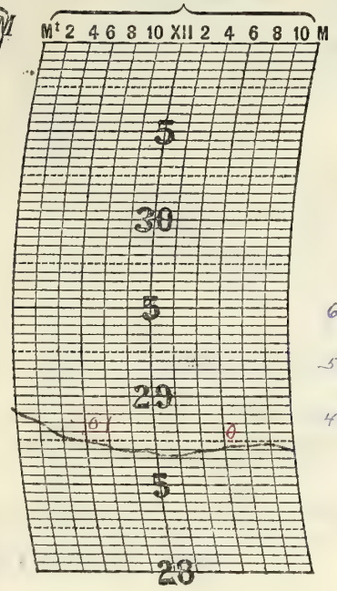
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

THERMOGRAPH.



BAROGRAPH.



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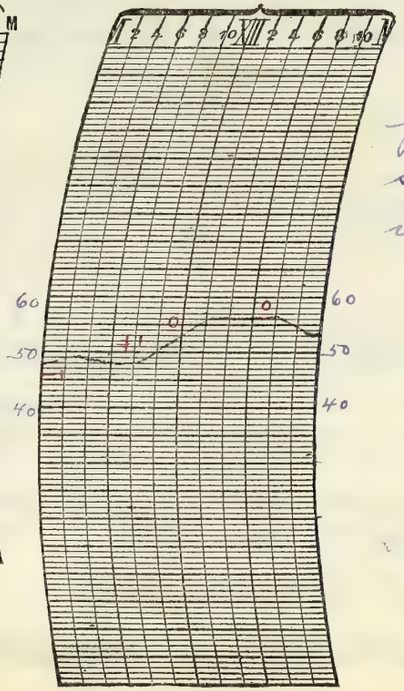


NOTES.

Light rain fell during the greater portion of the day making the streets and walks wet and slippery in the business section of the city

Prepared by HPC.
Verified by J. McE.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 20 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	53	54	57	58	59	51	42	38	36	35
									RE 8.50		SB 10.45	
Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T	T	.01	.06	.12	.07	.02	.01		T	T
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character	5.58 Cloudy											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	S	E	E	ESE	SE	SESE		SW	SW	SW	SW
Wind movement	6	2	5	7	7	12	12	16	32	33	34	36
Maximum velocities (exceeding 29 miles) direction and time									42 SW 8.23	44 SW 9.46	44 SW 10.28	44 S 11.45

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	32	32	33	33	34	35	35	35	35	35
												SE DN
Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	T	T	T	T	T
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character									4.53 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	37	37	34	35	37	40	37	36	34	30	27	24
Maximum velocities (exceeding 29 miles) direction and time	45 SW 12.10	44 SW 1.25	43 SW 2.55	40 SW 3.05	45 SW 4.40	46 SW 5.35	42 SW 6.10	42 SW 7.34	41 SW 8.04	40 SW 9.10	31 SW 10.35	

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
59	32	46	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., .30 ins.; to 7 p. m., 0.5 ins.

Total precipitation, midnight to midnight, .32 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.9

Percentage of possible sunshine, 0

Prevailing direction SW

Total movement, 610

Average hourly velocity, 25.4

Maximum velocity, 46 Direction, SW Time. Began 5.35 PM

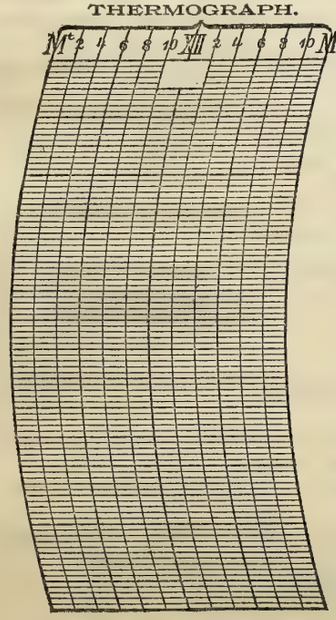
Extreme velocity, 47 - SW - 5.35 PM.

Relative humidity, 92 a. m., 81 p. m.

Reduced barometer, 29.935 a. m., 29.951 p. m.

River gage, 2.0 ft

THERMOGRAPH.



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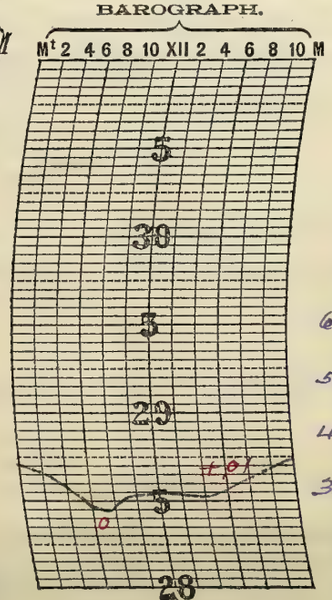

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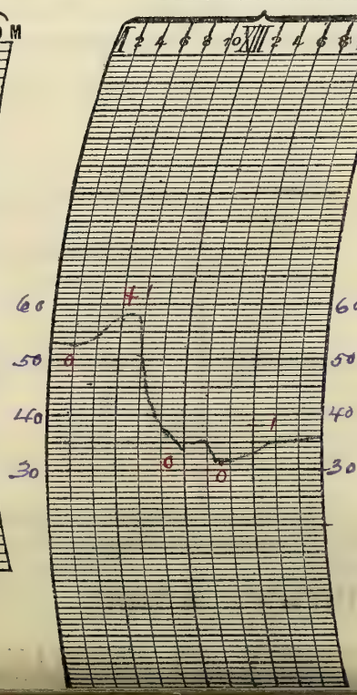


NOTES.

High and somewhat gusty winds prevailed from 8.30 AM. to midnight P.M. aside from discomfiture to pedestrians no damage was done.

The first snow of the autumn occurred during the day.

Light snow was seen in the air from 10.45 AM. to 12.30 P.M and after 6.30 P.M

The snow during the rest of the afternoon was heavier.

Prepared by H.F.C.

Verified by P.M.R.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 21 1916, 191

Time (local standard) 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	37	37	37	37	37	37	37	38	38	39	40	40	40	40	39	39	39	39	38	37	37	37	36
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Cloudy								Cloudy										
Sunrise: Time, 5.59 Character, Cloudy																					Sunset: Time, 4.52 Character, Cloudy			
Sunshine (in tenths of hours)						0	0	0	0	0	0	0	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	20	19	15	16	15	16	16	14	15	16	15	16	10	13	13	13	11	10	10	9	9	10	8	8
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
40	35	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.9

Percentage of possible sunshine, 0

Prevailing direction SW

Total movement, 317

Average hourly velocity, 13.2

Maximum velocity, 24 Direction, SW Time. Began 12.08 AM.

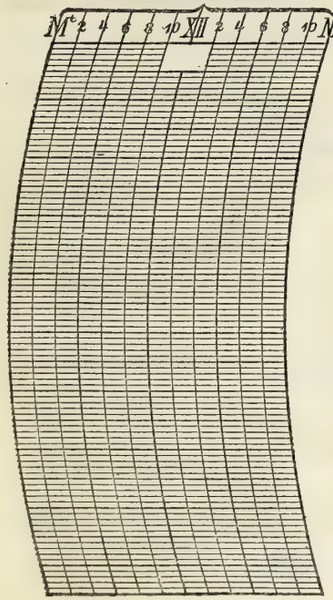
Extreme velocity, 24 - SW - 12.08 AM.

Relative humidity, 95 a. m. 56 p. m.

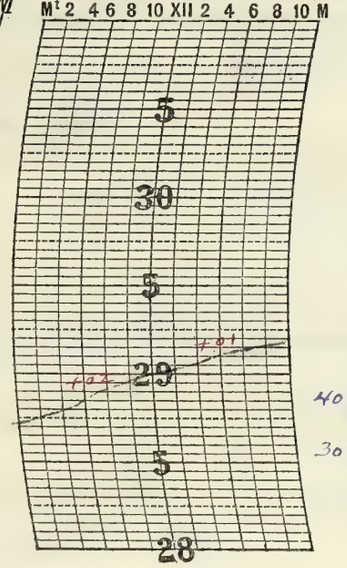
Reduced barometer, 29.85 a. m. 30.07 p. m.

River gage, 2.0 ft

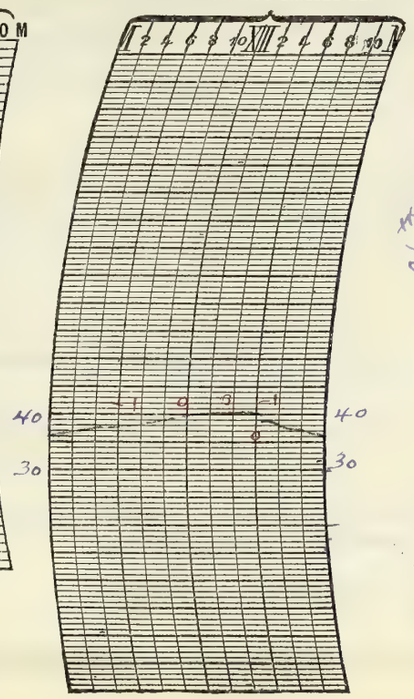
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received from "CC" at 9.35 AM and was disseminated in the morning forecast "Heavy frost tonight"

Prepared by N.T.C.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	34	32	31	31	33	36	40	43	46	48	51	53	54	54	52	49	47	46	45	44	44	43
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions				←			clear								clear									
Sunshine (in tenths of hours)							1.00 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.85 0							
Wind direction	SW	SW	SW	SW	S	S	S	S	S	S	S	S	S	S	S	SE	SE	SE	SE	SE	S	SE	S	S
Wind movement	8	8	8	7	7	8	9	9	10	11	13	12	12	12	12	11	8	10	9	10	8	10	10	5

Sunrise: Time, 6.00; Character, clear

Sunset: Time, 4.51; Character, clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
54	31	44.2	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, clear Moon phase,

Average daily cloudiness (0-10) Four

Actual sunshine, hours, 10.8

Possible sunshine, hours, 10.8

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 227

Average hourly velocity, 9.5

Maximum velocity,	Direction,	Time.
15	S	Began 10.10 AM

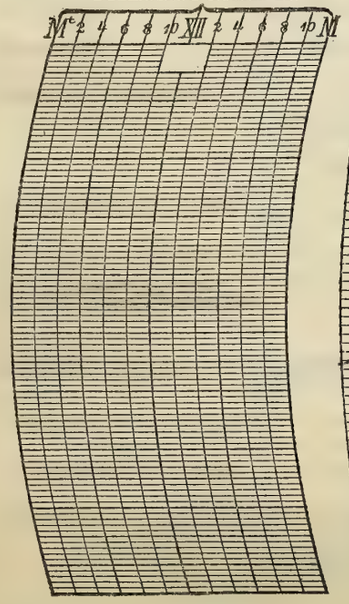
Extreme velocity, 15 S 10.10 AM

Relative humidity, 85 a. m. 60 p. m.

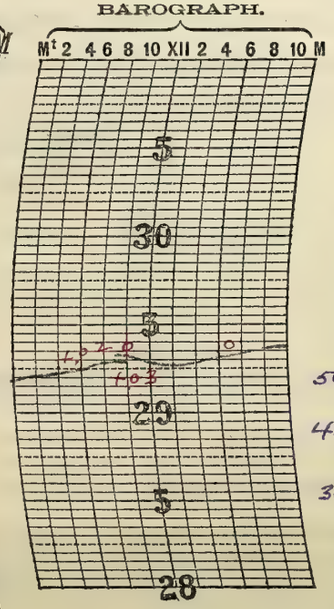
Reduced barometer, 30.22 a. m. 30.26 p. m.

River gage, 2.1 ft

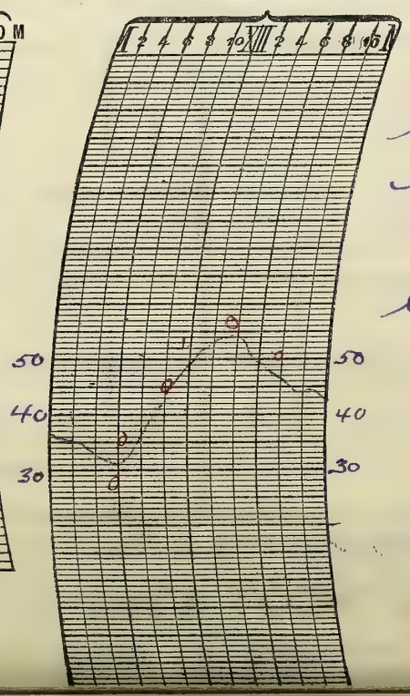
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Killing frost with a minimum temperature of 31° occurred in the morning.
The word "cease" was added to the A.M. code report.

Prepared by H.T.C.
Verified by T. McD

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 23 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	39	38	38	38	38 (37)	41	48	55	59	61	63	64	65	64	61	58	56	54	52	50	49	49
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear												Clear											
Sunshine (in tenths of hours)	Sunrise: Time, 6.02 Character, Clear						.97 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.5 0.5	.82 0				Sunset: Time, 4.49 Character, Clear			
Wind direction	SE	S	SE	SE	SE	SE	SE	S	S	SW	S	S	S	S	S	S	S	SE	SE	SE	SE	S	S	S
Wind movement	2	3	3	4	6	6	5	7	9	9	9	8	9	9	10	8	6	7	8	8	8	7	7	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	65	37	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 10.8

Possible sunshine, hours, 10.8

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 162

Average hourly velocity, 6.8

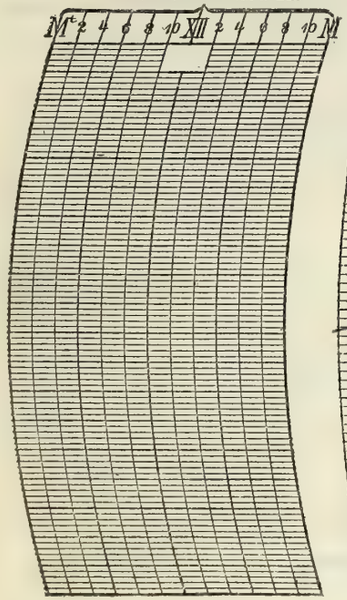
Maximum velocity,	Direction,	Time.
13	S	Began 2.21 P.M.
Extreme velocity, 13	S	2.21 P.M.

Relative humidity, 75 a. m. 53 p. m.

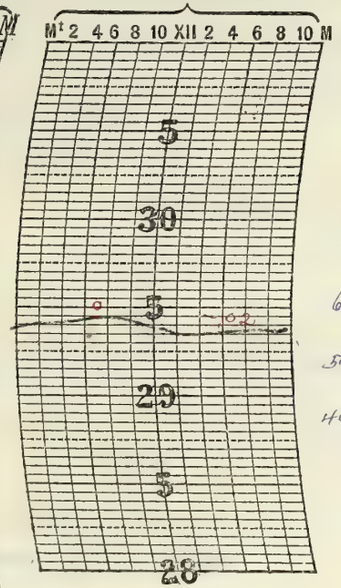
Reduced barometer, 30.38 a. m. 30.28 p. m.

River gage, 2.1 ft.

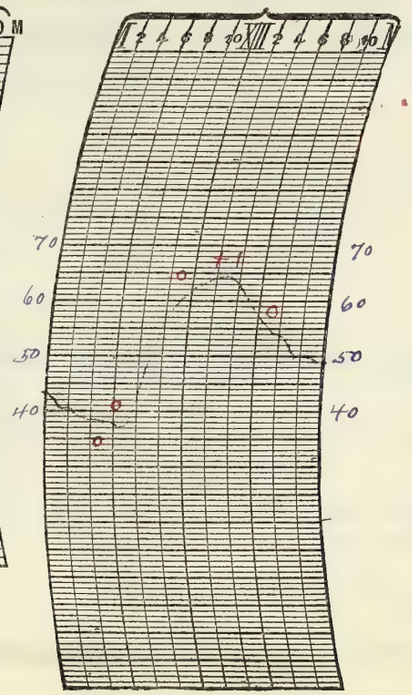
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.T.R.

Verified by J.M.S.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 24 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	49	48	47	46	46	45	45	46	47	48	49	50	52	53	54	52	51	50	50	49	48	49	49
State of weather: Nature of precipitation and time of beginning and ending					RB DN		RE 6.30	RB 7.10					RE 1.00											
Amounts of precipitation					T	.01	T	.01	T	T	T	.01	T											
Cloudiness and other conditions					←		Cloudy								Cloudy					×P.C.×		Clear →		
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	S	NW	NW	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	NE	E	E	E	E	E	E	SE
Wind movement	3	3	4	5	4	6	5	4	6	6	6	6	7	7	8	10	8	10	12	9	9	9	7	4

Sunrise: Time, 6.03 Character, Cloudy

Sunset: Time, 4.48 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum.	Minimum.	Mean.	Normal.
54	45	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 10.8

Percentage of possible sunshine, 0

Prevailing direction E

Total movement, 158

Average hourly velocity, 6.6

Maximum velocity, 13 Direction, S Time. Began 6.23 P.M.

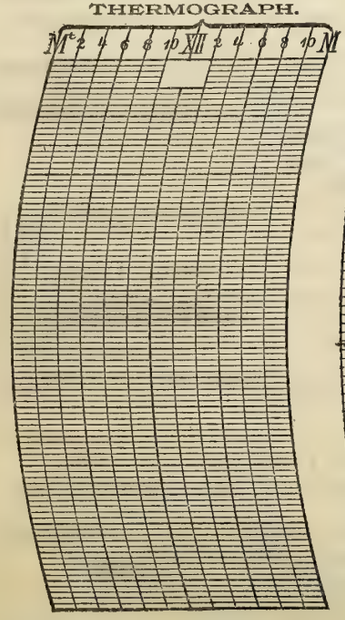
Extreme velocity, 13-S-6.23 P.M.

Relative humidity, 96 a. m. 90 p. m.

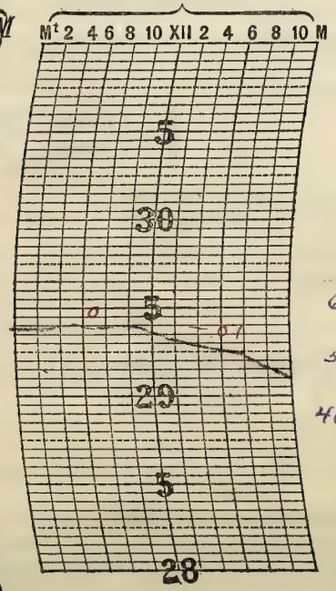
Reduced barometer, 30.33 a. m. 30.65 p. m.

River gage, 2.2

THERMOGRAPH.



BAROGRAPH.



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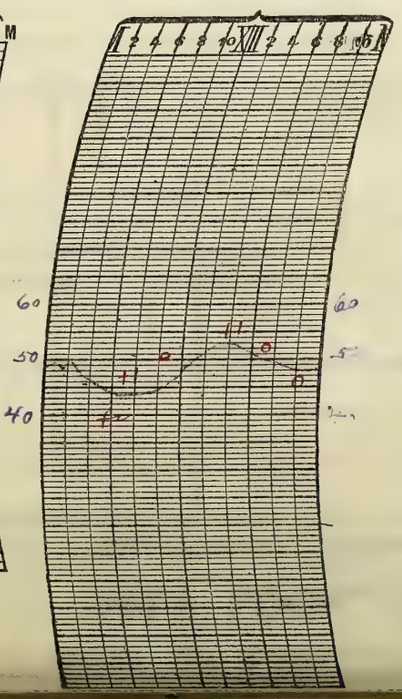


NOTES.

Prepared by N.P.C.
Verified by P.M.S.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 25 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	51	51	52	54	55	53	54	51	50	48
State of weather: Nature of precipitation and time of beginning and ending							RB 6.56		RE 8.30			
Amounts of precipitation							T	.03	T			
Cloudiness and other conditions					Cloudy							
Sunrise: Time, Character,	6.04 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0.2	0
Wind direction	SE	SE	SE	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	4	6	10	13	14	14	17	21	23	27	31	29
Maximum velocities (exceeding 29 miles) direction and time										35 SW 9.40	40 SW 10.30	37 SW 11.10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	45	45	45	45	45	44	43	43	42	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy							
Sunset: Time, Character,									4.46 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW
Wind movement	26	24	21	21	19	18	20	18	19	21	19	21
Maximum velocities (exceeding 29 miles) direction and time	33 SW 12.40											30 W 11.21

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

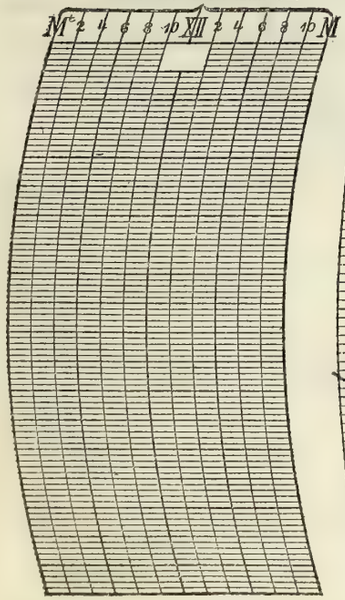
	Maximum.	Minimum.	Mean.	Normal.
	55	42	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.3 ins.
Total precipitation, midnight to midnight, 0.3 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10) 9
Actual sunshine, hours, 0.2
Possible sunshine, hours, 10.7
Percentage of possible sunshine, 2
Prevailing direction SW.
Total movement, 456
Average hourly velocity, 19.0

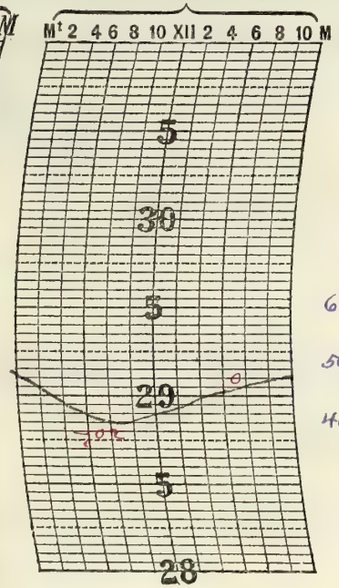
Maximum velocity,	Direction,	Time.
40	SW	Began 10.30 AM
Extreme velocity, 40	SW	10.30 AM

Relative humidity, 52 a. m. 68 p. m.
Reduced barometer, 29.974 a. m. 29.95 p. m.
River gage, 2.1 ft.

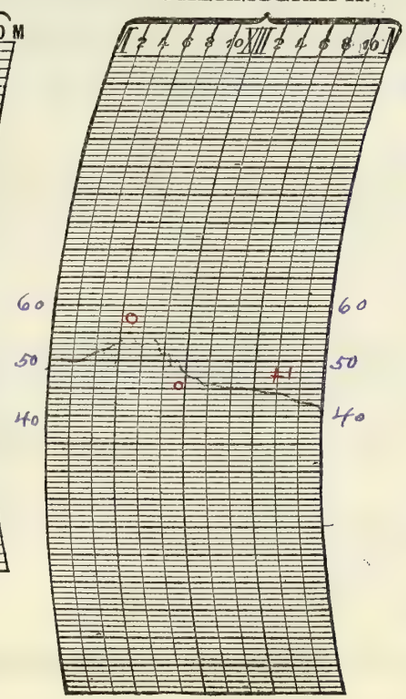
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

High winds prevailed during the day and night P.M.

Prepared by H.T.Q.
Verified by P.M.C.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 26 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	39	38	37	36	34	33	36	39	41	44	47	49	50	51	51	49	48	47	46	45	45	45	45
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear							Clear											
Sunrise: Time, 6.05 Character, Clear																					Sunset: Time, 4.45 Character, Clear			
Sunshine (in tenths of hours)							.92 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.8 0.2	.75 0							
Wind direction	W	W	W	W	SW	SW	SW	SW	SW	W	W	W	SW	W	SW	SW	SW	S	SE	SE	SE	S	S	S
Wind movement	18	11	11	11	11	8	9	9	10	10	10	11	8	10	10	10	7	5	6	7	9	10	11	12
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
51	33	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, New Moon 3.37 p.m.

Average daily cloudiness (0-10) Few

Actual sunshine, hours, 10.7

Possible sunshine, hours, 10.7

Percentage of possible sunshine, 100

Prevailing direction SW

Total movement, 234

Average hourly velocity, 9.8

Maximum velocity, 29 Direction, W Time. Began 12.16 AM

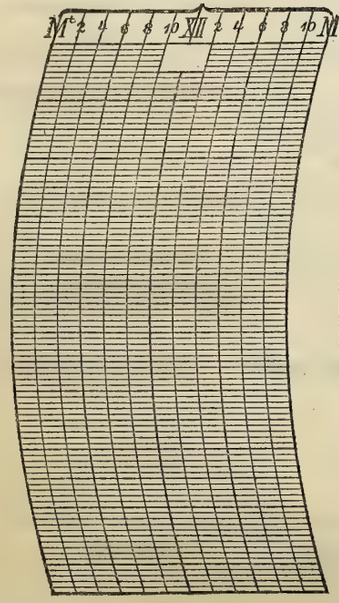
Extreme velocity, 34 - W - 12.16 AM

Relative humidity, 88 a. m., 50 p. m.

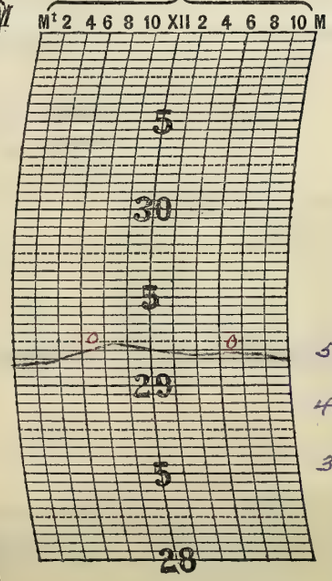
Reduced barometer, 30.14 a. m., 30.11 p. m.

River gage, 2.2 ft

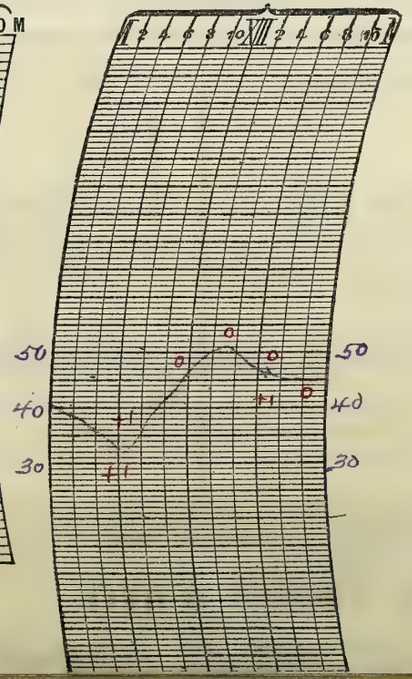
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by H.H.C.
Verified by P.M.O.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 27 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	45	46	47	48	47	46	49	52	57	59	59	60	60	59	57	55	53	51	48	46	44	42	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunshine (in tenths of hours)							.90 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	1.0 0	.73 0							
Wind direction	S	S	S	S	SW	SW	SW	SW	SW	W	W	W	W	W	W	NW	NW	NW	NW	NW	N	N	NE	NE
Wind movement	11	14	15	20	18	18	16	18	18	18	20	22	20	20	18	10	5	4	5	4	4	5	5	6

Sunrise: Time, 6.06 Character, Clear

Sunset: Time, 4.44 Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
60	40	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) Fair

Actual sunshine, hours, 10.6

Possible sunshine, hours, 10.6

Percentage of possible sunshine, 100

Prevailing direction W

Total movement, 314

Average hourly velocity, 13.1

Maximum velocity, 25 Direction, W Time. Began 12.12 PM

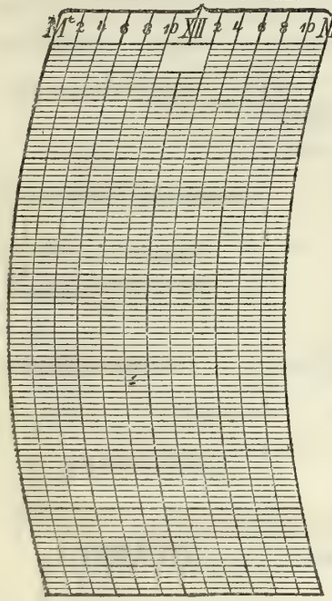
Extreme velocity, 25 – W – 12.12 PM.

Relative humidity, 62 a. m. 56 p. m.

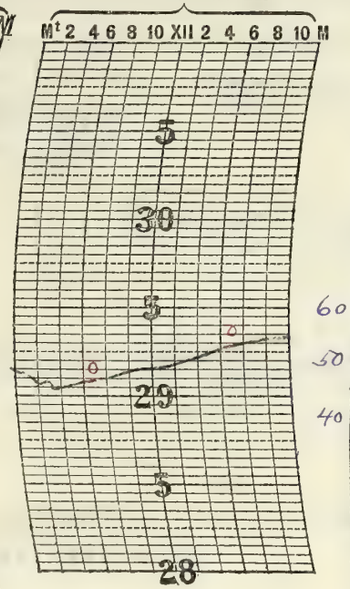
Reduced barometer, 30.02 a. m. 30.20 p. m.

River gage, 2.1 ft.

THERMOGRAPH.



BAROGRAPH.



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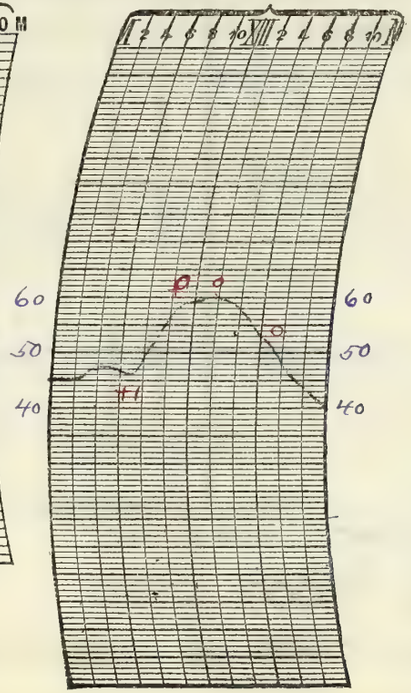


NOTES.

Prepared by J.H.C.

Verified by P.McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 28 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	39	39	39	39	38	38	48	54	60	63	64	66	68	68	66	62	60	57	56	55	55	54	53
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Clear			P.C.		Cloudy						×	P.C.	×	Clear				
Sunrise: Time, Character,	6.07 Clear																				Sunset: Time, Character, 4:42 Cloudy			
Sunshine (in tenths of hours)							.88 0	1.0 0	0.2 0.8	1.0	1.0	0.8	0.3	0.2	0.3	0	0							
Wind direction	E	E	E	E	E	E	E	SE	SE	S	SE	SE	SE	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	6	4	5	4	4	3	4	5	7	9	10	11	12	10	9	11	7	6	7	8	10	10	12	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
68	38	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 6.5

Possible sunshine, hours, 10.6

Percentage of possible sunshine, 61

Prevailing direction SE

Total movement, 184

Average hourly velocity, 7.7

Maximum velocity, 13 Direction, S Time. Began 10.46 AM

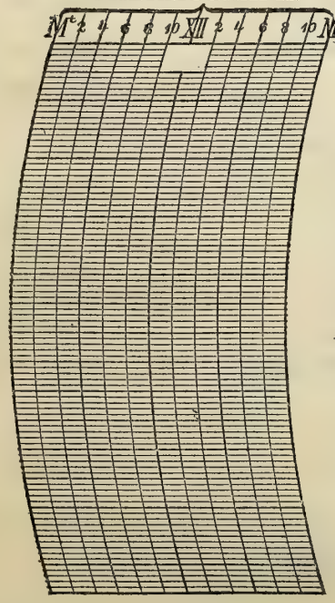
Extreme velocity, 13–S– 10.46 AM

Relative humidity, 77 a. m. 39 p. m.

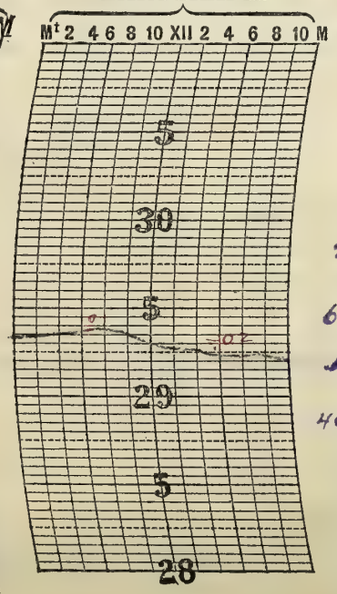
Reduced barometer 30.31 a. m. 30.14 p. m.

River gage, 2.1 ft.

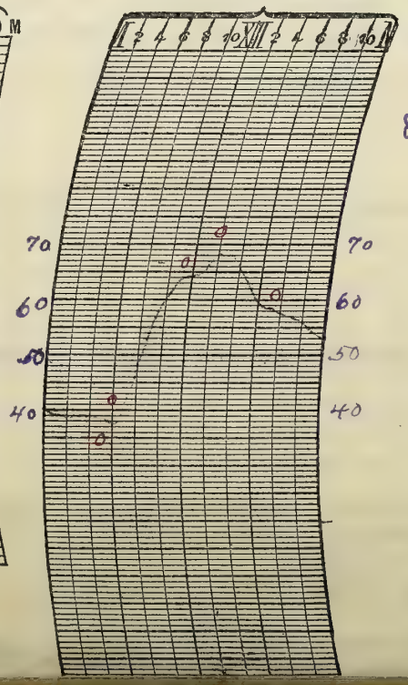
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ci. St. clouds were observed from 8 30 A.M. to sunset.

Prepared by HTC

Verified by P.M.G.D.

FORM NO. 1014—Met. I.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 29 1916, 191

Time (local standard) 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	50	49	48	48	49	52	58	65	68	70	70	70	70	70	69	66	64	63	62	61	60	57
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←		Clear			×	Pt Cldy		×		Cloudy									→
Sunshine (in tenths of hours)							.85 0	1.0 0	0.3 0.7	0.8	1.0	0.8	0.4	0.3	0	0	0							
Wind direction	SE	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	S	S	SW	SW	SW	SW	SW	SW
Wind movement	8	7	7	9	8	9	9	11	13	15	14	15	15	17	13	8	11	10	9	8	8	8	8	7

Sunrise: Time, 6.09; Character, Clear

Sunset: Time, 4:41; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
70	48	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 6.2

Possible sunshine, hours, 10.5

Percentage of possible sunshine, 58

Prevailing direction SW

Total movement, 247

Average hourly velocity, 10.3

Maximum velocity, 21 Direction, SW Time. Began 2.33 PM

Extreme velocity, 21-SW-2.33 PM

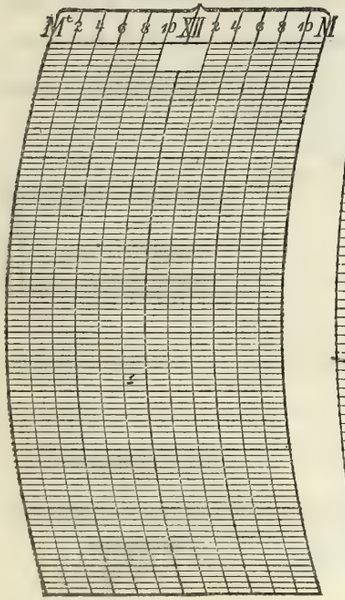
Relative humidity, 60 a. m. 45 p. m.

Reduced barometer, 30.11 a. m. 30.04 p. m.

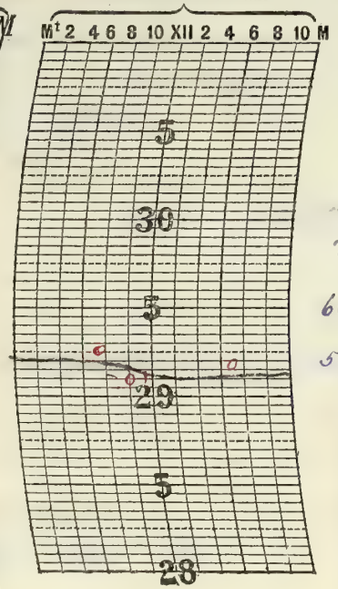
River gage, 2.1 ft

NOTES.

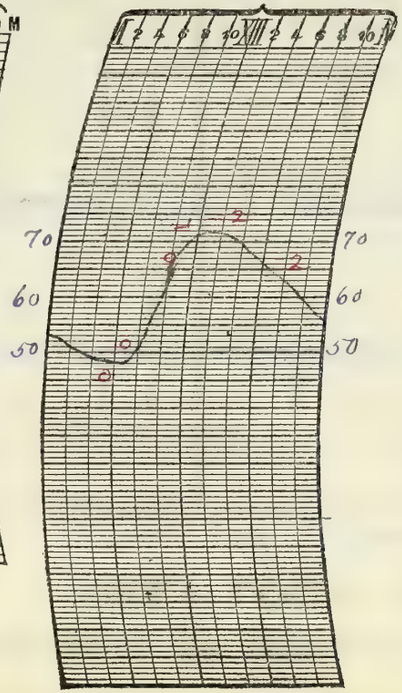
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by JFC

Verified by J.M.C.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 30 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	54	52	50	45	46	48	48	49	50	54	59	60	60	61	62	61	60	57	54	52	50	48	47
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					←			Cloudy			P. Cldy				Clear							→		
Sunshine (in tenths of hours)							0	0	0	0	0.5	0.7	0.5	0	0	0	0							
Wind direction	SW	SW	W	W	NW	NW	NW	NW	N	N	NW	NW	N	NE	NE	NE	NE	NE	NE	E	E	E	E	E
Wind movement	6	6	3	3	7	8	6	4	3	4	3	2	2	3	3	4	3	3	5	5	7	8	7	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.10; Character, Cloudy

Sunset: Time, 4.40; Character, Cloudy

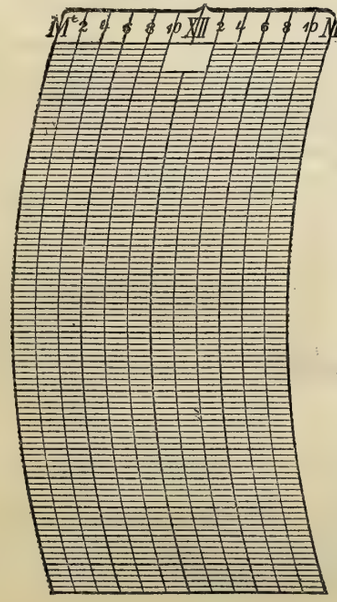
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum.	Minimum.	Mean.	Normal.
62	45	54	

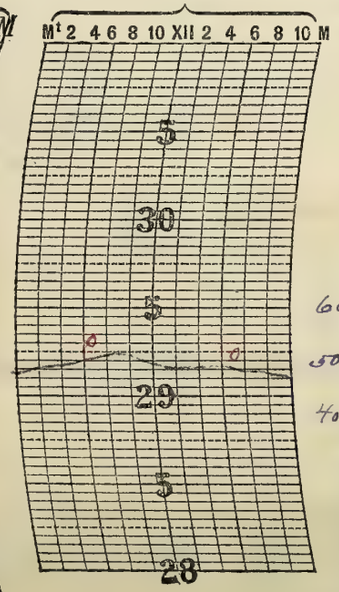
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10) 3
Actual sunshine, hours, 1.7
Possible sunshine, hours, 10.5
Percentage of possible sunshine, 16
Prevailing direction NE, NW
Total movement, 111
Average hourly velocity, 4.6

Maximum velocity, 9 Direction, NW Began 4.22 AM.
Extreme velocity, 9 - NW - 4.22 AM.
Relative humidity, 100 a. m. 73 p. m.
Reduced barometer, 30.13 a. m. 30.08 p. m.
River gage, 2.1 ft.

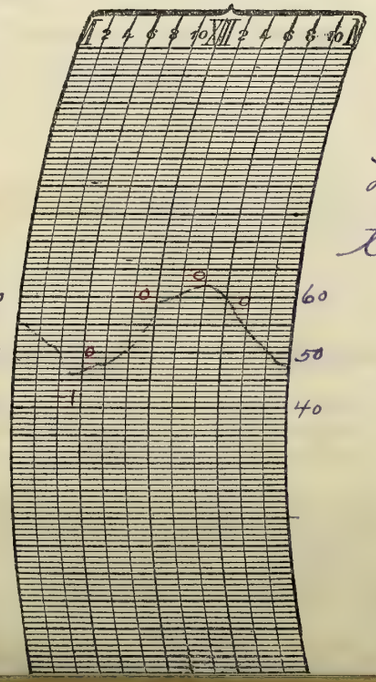
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense fog began DNA. and ended 7.40 A.M.
Light fog began 7.40 A.M. and ended 8.00 A.M.
Light haze prevailed from 11.00 A.M. to 5.00 P.M.

Prepared by H.T.C.
Verified by P. McA.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) OCT 31 1916, 191

Time (local standard), 90 mer.

1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	46	45	45	49	52	53	54	55	55	56	55	54	52	52	51	50	48	47	46	46	45	44
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear					Cloudy								xR.Cx		Clear				
Sunshine (in tenths of hours)							0	0	0	0	0.6	0.9	0.4	0	0.1	0	0							
Wind direction	E	E	E	E	E	S	SW	SW	SW	W	W	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	4	5	4	5	8	11	11	12	17	14	17	19	20	18	15	12	8	10	9	9	8	8	8
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.11 Character, Cloudy

Sunset: Time, 4.38 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	56	44	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 2.0

Possible sunshine, hours, 10.4

Percentage of possible sunshine, 19

Prevailing direction SW

Total movement, 256

Average hourly velocity, 10.7

Maximum velocity, 24 Direction, SW Time. Began 1.27 P.M.

Extreme velocity, 24 - SW - 1.27 P.M.

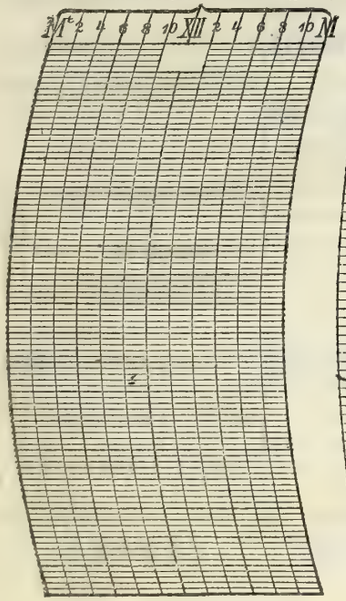
Relative humidity, 87 a. m. 73 p. m.

Reduced barometer, 29.91 a. m. 29.99 p. m.

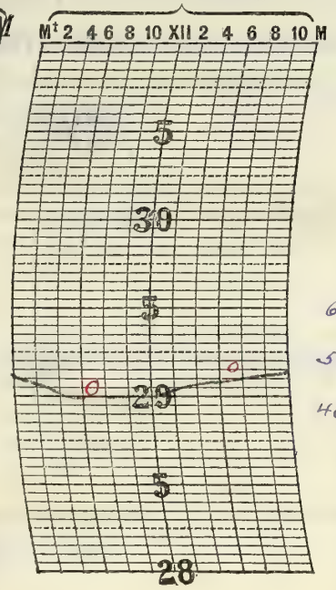
River gage, 2.0 ft.

NOTES.

THERMOGRAPH.



BAROGRAPH.



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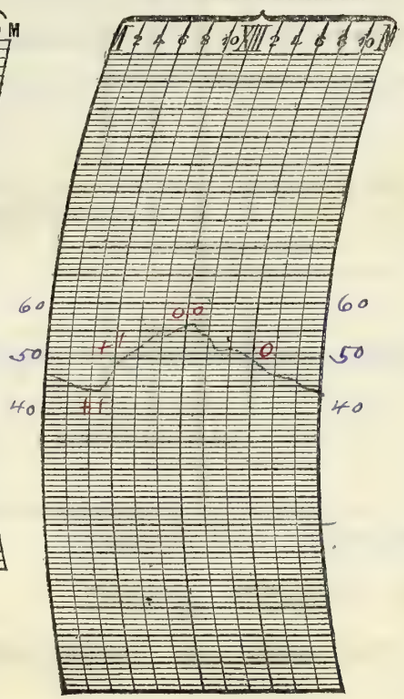


Prepared by J.H.C.

Verified by P.M.L.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 1 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	41	38	37	36	35	36	42	49	55	
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunshine (in tenths of hours)							.80 0	1.0 0	0.2 0.8	1.0	1.0	1.0
Wind direction	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	8	7	8	7	8	10	11	8	13	15	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	61	60	57	55		50	47	47	46	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.62 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	12	11	11	12	8	10	10	10	10	10	8

Sunrise: Time, 6.12; Character, Clear

Sunset: Time, 4.37; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
61	34	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, Clear Moon phase, ____

Average daily cloudiness (0-10) 0

Actual sunshine, hours, 10

Possible sunshine, hours, 10.4

Percentage of possible sunshine, 100

Prevailing direction SW

Total movement, 64

Average hourly velocity, 11.1

Maximum velocity, ____ Direction, SW Time. Began ____

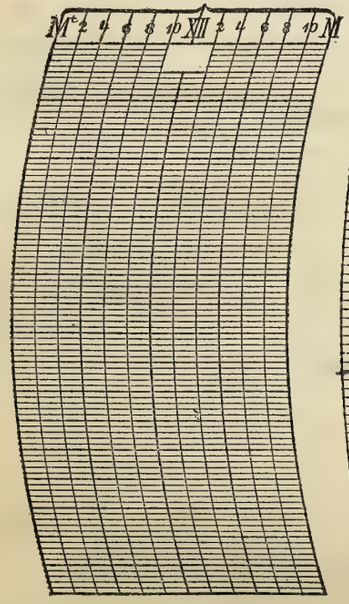
Extreme velocity, 22 SW 2.20 P.M.

Relative humidity, 81 a. m., 43 p. m.

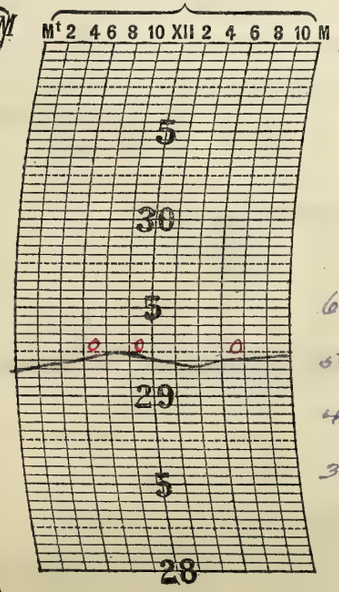
Reduced barometer, 30.15 a. m., 30.14 p. m.

River gage, 2.0 ft

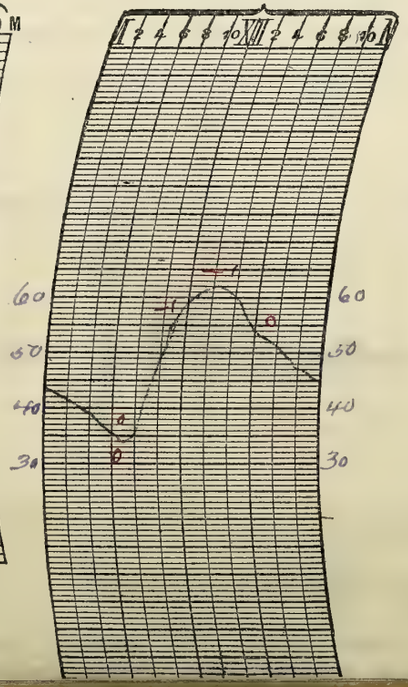
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.H.L.

Verified by P.M.O.D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 2 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	42	41	39	38	37	[illegible]	44	51	55	57	[illegible]	60	60	60	57	53	51	[illegible]	48	47	46	45	43
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear																	
Sunshine (in tenths of hours)							.78	1.0	0.5							0.7	.60							
							0	0	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW		W	W	W	W	W	W	W	NW	W	W	W	W	W	W	
Wind movement	7	[illegible]	6	6	7	6	6	7	6	[illegible]	[illegible]	[illegible]	18	16	16	5	11	9	8	7	6	4	5	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.13 Character, Clear

Sunset: Time, 4.36 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

	Maximum.	Minimum.	Mean.	Normal.
Temperature	60	37	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, [illegible] Moon phase, First Quarter 11.51 A.M.

Average daily cloudiness (0-10) 1

Actual sunshine, hours, [illegible]

Possible sunshine, hours, 10.4

Percentage of possible sunshine, 100

Prevailing direction [illegible]

Total movement, 214

Average hourly velocity, 8.9

Maximum velocity, [illegible] Direction, [illegible] Time. Began [illegible]

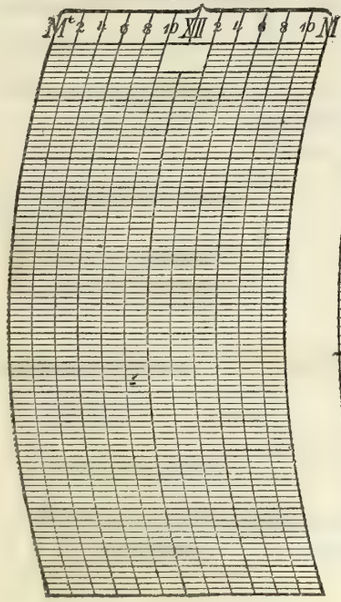
Extreme velocity, 22 NW [illegible]

Relative humidity, 77 a. m. [illegible] 51 p. m.

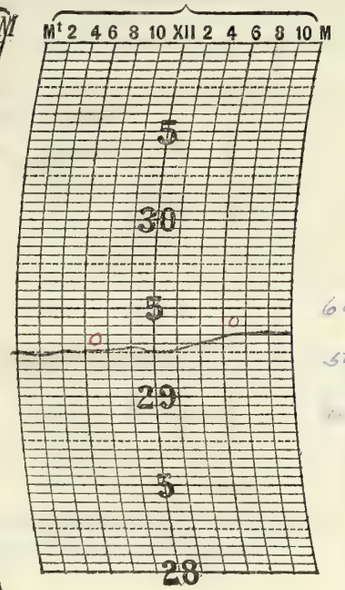
Reduced barometer, 30.19 a. m. [illegible] 30.25 p. m.

River gage, [illegible]

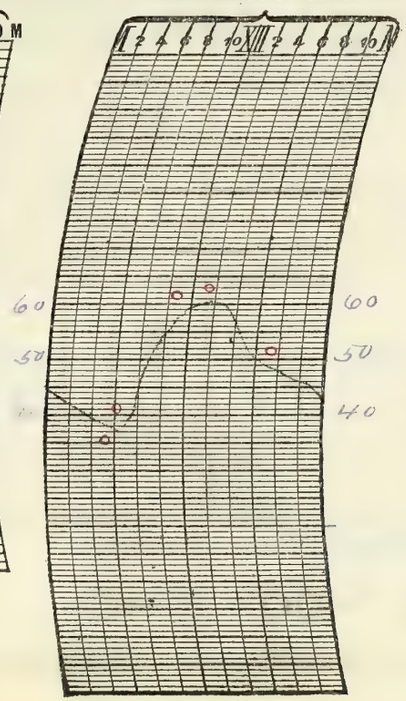
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 3 1916 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	38	37	37	36	36		44	47	52	54		59	60 59	57	55	53	53	52	47	49	47		
State of weather: Nature of precipitation and time of beginning and ending																			RB 6-7					
Amounts of precipitation																			01					
Cloudiness and other conditions				Clear					P.C.	x	Cloudy						Cloudy							
Sunrise: Time, Character,	6.15 Clear																							
Sunset: Time, Character,																					4.35 Cloudy			
Sunshine (in tenths of hours)		1					0	0	0.2	0	0.4	0	0.3	0.5	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	S	S	S	S	SE	S	S	S	S	NE	NE	NE
Wind movement	4	5	6	6	6	3	2	2	6	11	11	7	12	11	12	12	9	13	18	21	12	13	14	11
Maximum velocities (exceeding 22.9 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
60	36		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., ____ ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0.9 inches.

Character of day, Partly Cloudy Moon phase, ____

Average daily cloudiness (0–10) ____

Actual sunshine, hours, 3.4

Possible sunshine, hours, 10.3

Percentage of possible sunshine, 33

Prevailing direction ____

Total movement, 232

Average hourly velocity, 9.7

Maximum velocity,	Direction,	Time.
23	S	Began 7

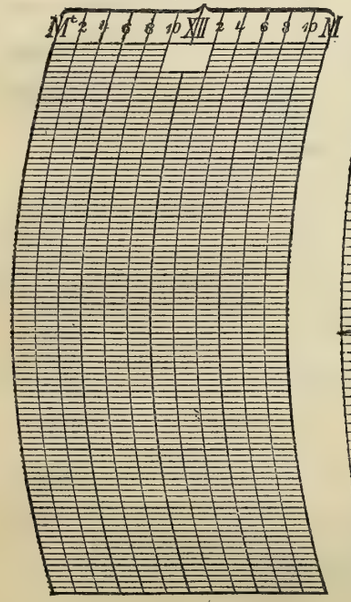
Extreme velocity, 23 S

Relative humidity, 68 a. m., 54 p. m.

Reduced barometer, 30.35 a. m., 30.11 p. m.

River gage, 2.18

THERMOGRAPH.



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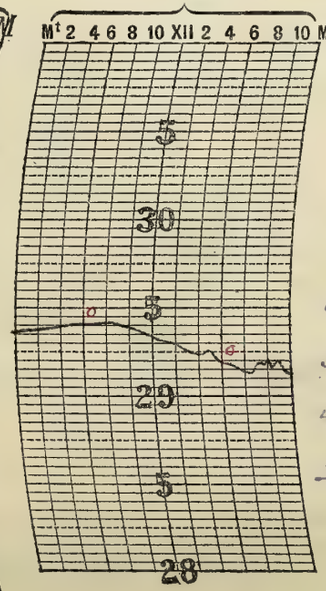
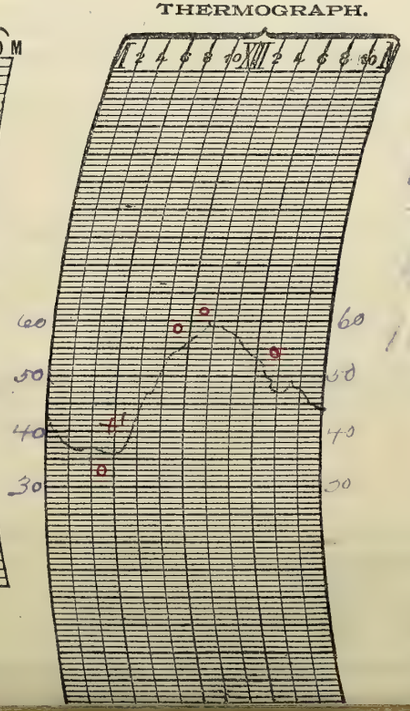


THERMOGRAPH.



NOTES.

A solar halo of 22° arc was observed from 10 A.M. to 1 P.M. The halo was brilliant.

Thunder was heard from 10 A.M. to 11.30 A.M.

Prepared by [illegible]

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 4 1916, 191

Time (local standard) 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	45	45	47	48	49	50	52	56	58	60		64	66	63	61	57	54	[illegible]	49	48	47	46	45
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunshine (in tenths of hours)							.73 0	1.0 0	0.6 0.7	1.0	1.0	1.0	1.0	1.0	0.7 0	1.0 0	.57 0							
Wind direction	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wind movement	11	8	12	12	12	12	13	14	14	16	16	17	18	16	16	16	14	14	14	14	13	12	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.16; Character, Clear

Sunset: Time, 4.34; Character, Clear

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
66	44	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .55 ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, Clear; Moon phase, ____

Average daily cloudiness (0-10) Few

Actual sunshine, hours, 10.3

Possible sunshine, hours, 10.3

Percentage of possible sunshine, 100

Prevailing direction NW

Total movement, 353

Average hourly velocity, 11.8

Maximum velocity, 20; Direction, W; Time. Began 7.30 p.m.

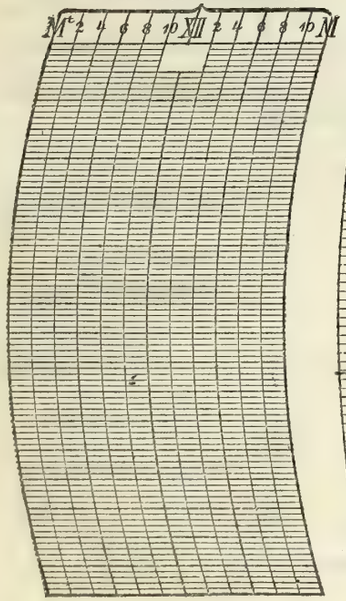
Extreme velocity, 21 W [illegible]

Relative humidity, 63 a. m. 72 p. m.

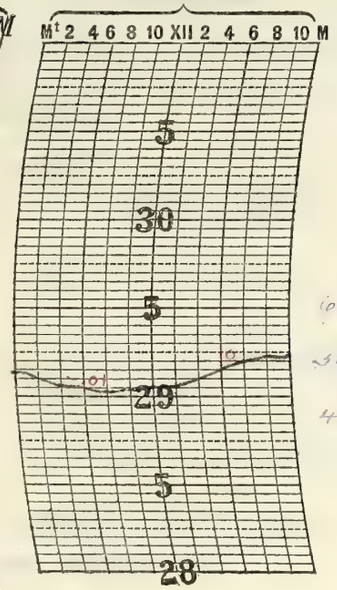
Reduced barometer, 29.94 a. m. 30.09 p. m.

River gage, 2.0 ft

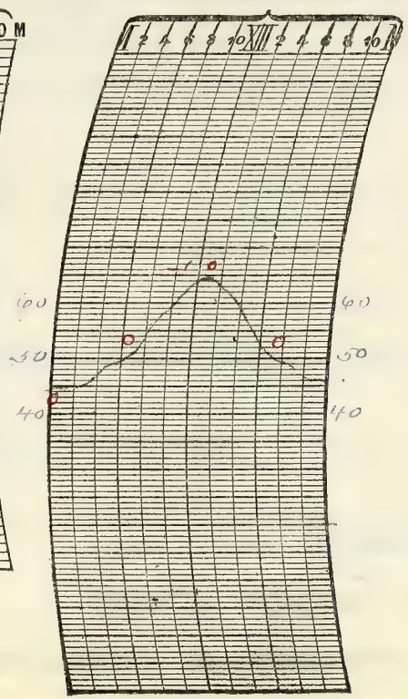
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 5 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	41	40	38	33	32	33	32	36	44	48		52	53	54	54	52	49	47	45	43	42	41	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Foggy						×	Clear											
Sunshine (in tenths of hours)							0	0	0.3	1.0	1.0	1.0	1.0	1.0	0.1 / 0.9	1.0 / 0	1.5 / 0							
Wind direction	NW	N	N	NW	NW	NW	NW	NW	NW	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	6	4	7	7	6	2	1	3	5	6	7	8	6	5	7	8	7	8	7	7	9	9	9	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.17; Character, Foggy

Sunset: Time, 4.32; Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
54	32	42	/

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to ___ a. m., ___ ins.; to ___ p. m., ___ ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear; Moon phase, ___

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 1.8

Possible sunshine, hours, ___

Percentage of possible sunshine, 16

Prevailing direction ___

Total movement, 153

Average hourly velocity, 6.4

Maximum velocity, 12; Direction, N; Time. Began 11.53 PM

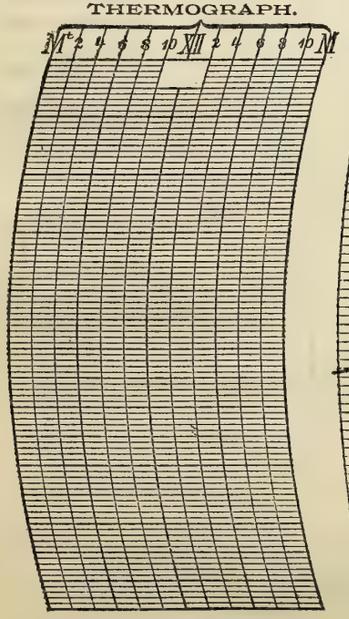
Extreme velocity, 12 – N – 11.53 PM

Relative humidity, 95 a. m. / 81 p. m.

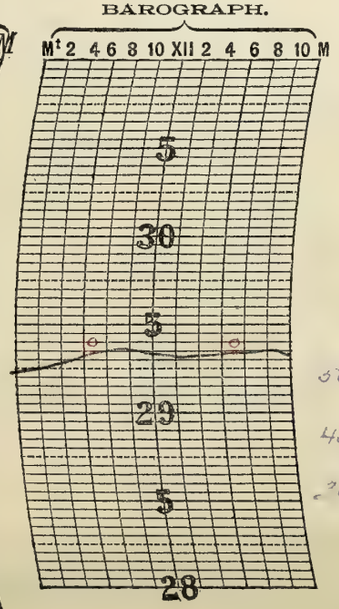
Reduced barometer, 30.27 a. m. / 30.28 p. m.

River gage, ___

THERMOGRAPH.



BAROGRAPH.



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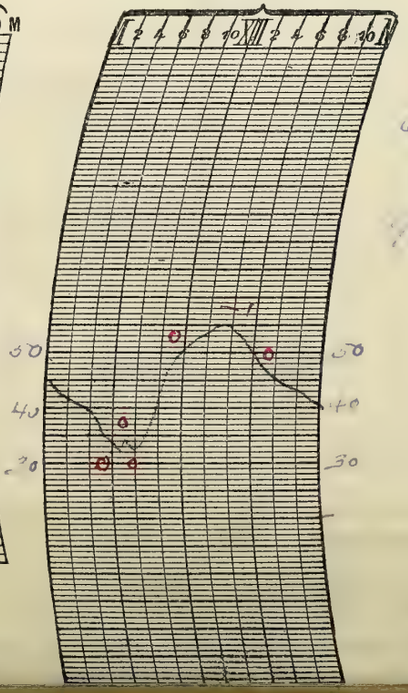


NOTES.

Dense fog prevailed from 2 A.M. to 6 30 A.M.
Light fog prevailed from 6 30 A.M. to 7 A.M.

Prepared by J.F.S.
Verified by P. McA.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 6 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	39	38	38	38	37	53	41	47	56	61	[illegible]	70	72	73	72	68	65	62	61	57	49	40	59
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Clear								Clear									
Sunshine (in tenths of hours)							.70 0	1.0 0	1.0 0	1.0 0	1.0	1.0	1.0	1.0	0.2 0.8	1.0 0	.52 0							
Wind direction	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SE	SE	SE	SE	SE	SE	[illegible]	[illegible]	SE	SE	SE	S
Wind movement	7	8	6	7	7	7	6	5	4	5	2	8	7	10	11	8	9	13	12	14	13	13	12	12
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.18 Character, Clear

Sunset: Time, 4.31 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
72	34		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to a. m., ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 0

Actual sunshine, hours, 10.2

Possible sunshine, hours, 10.2

Percentage of possible sunshine, 100

Prevailing direction SE

Total movement, 220

Average hourly velocity, 9.2

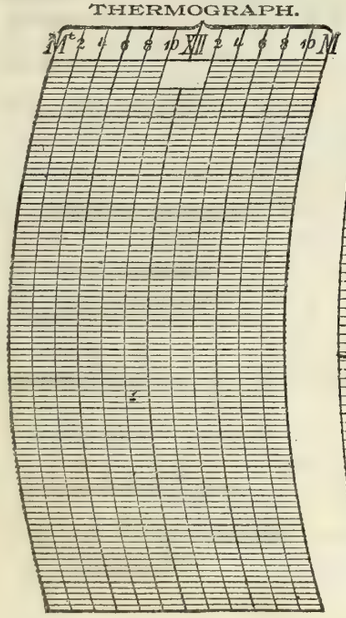
Maximum velocity,	Direction,	Time.
17	SE	Began 10.16 P.
Extreme velocity, 17	SE	10.16 P.

Relative humidity, 89 a. m. 66 p. m.

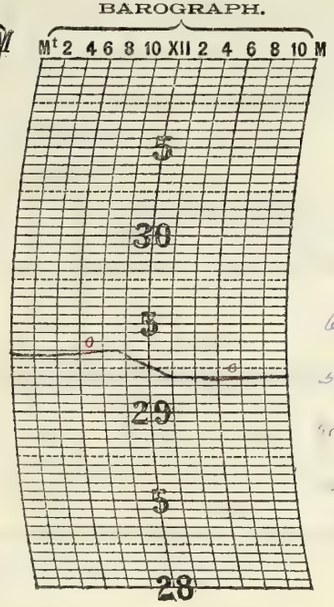
Reduced barometer, 30.27 a. m. 30.13 p. m.

River gage, 0 ft.

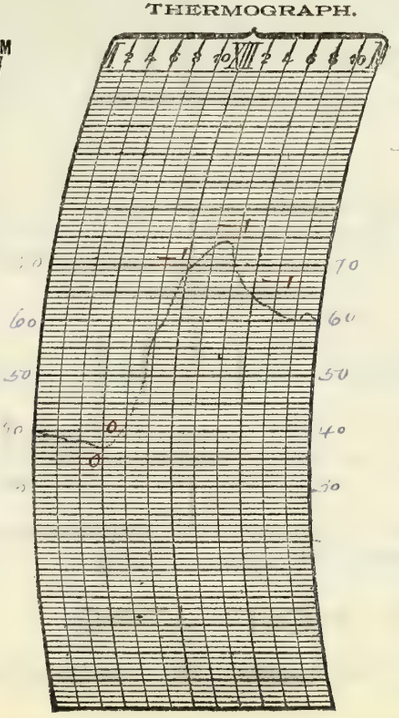
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light fog prevailed from [illegible] sunset.

Prepared by

Verified by P. M. G.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 7 1916 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	57	55	55	54	55	55	[illegible]	57	61	67	69	[illegible]	72	73	73	72	69	66	64	63	62	61	60	60
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							clear								clear									
Sunshine (in tenths of hours)							.68 / 0	1.0 / 0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 / 0.8	1.0 / 0	.50 / 0							
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	S	S	S	S	SE	S	S	S	S	S	S
Wind movement	13	9	8	10	11	10	11	12	13	15	16	[illegible]	20	20	17	16	10	13	13	13	14	15	14	13
Maximum velocities (exceeding 24 miles) direction and time																								

Sunrise: Time, 6.19 Character, Clear

Sunset: Time, 4.30 Character, Clear

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

/ hours slower than 75th meridian time.

	Maximum.	Minimum.	Mean.	Normal.
Temperature	/	/	/	✓

Total depth of snow for 24 hours ending / p. m., / inches.

Snow on ground / p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to / a. m., 0 ins.; to / p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 0

Actual sunshine, hours, 10.2

Possible sunshine, hours, 10.2

Percentage of possible sunshine, 100

Prevailing direction S

Total movement, 324

Average hourly velocity, 13.5

Maximum velocity, 24 Direction, S Time. Began 12.26 PM

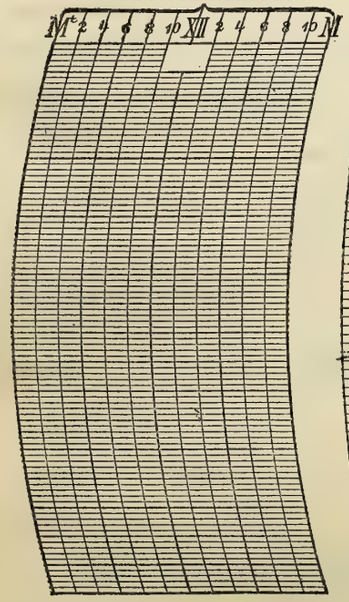
Extreme velocity, 24 – S – 12.26 PM

Relative humidity, 69 a. m. 53 p. m.

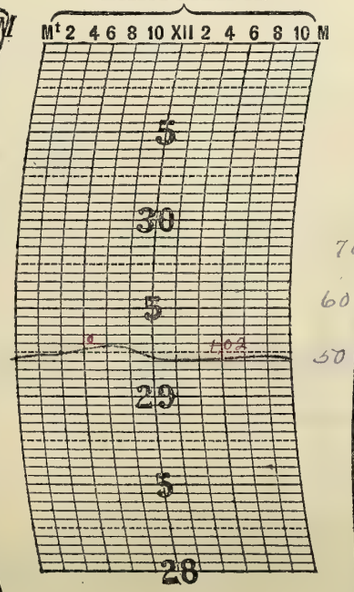
Reduced barometer, 30.18 a. m. 30.15 p. m.

River gage, 21 ft

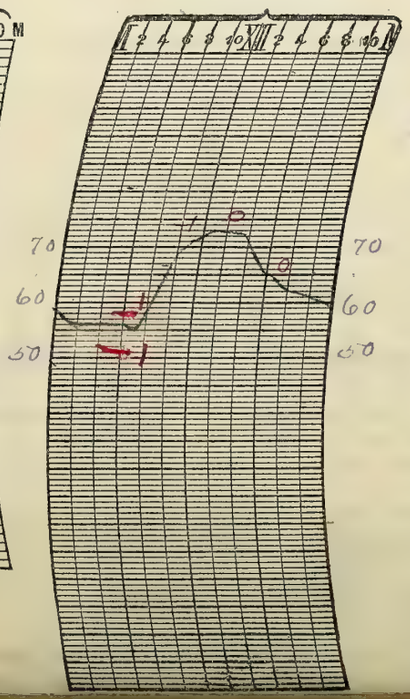
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light haze prevailed from sunrise to sunset.

Prepared by HFC

Verified by PMG.

Form No. 1012—Met. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 8 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	59	56	55	54	55	58	57	55	61	64	66	68	67	70	70	69	66	64	[illegible]	61	61	62	64	65
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear												Clear											
Sunshine (in tenths of hours)	Sunrise: Time, 6.21; Character, Clear						.65 0	1.0 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	0.8	0	0				Sunset: Time, 4.29; Character, Cloudy			
Wind direction	S	S	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	S	S	S	S	S	S	S	S	S	S
Wind movement	12	13	11	13	16	16	16	10	[illegible]	25	[illegible]	[illegible]	20	25	20	17	14	14	17	19	19	20	22	16
Maximum velocities (exceeding 29 miles) direction and time										30 [illegible] [illegible]	[illegible] SW SW [illegible]	[illegible] SW SW 1.51	35 SW SW 1.25	30 SW SW										41 SW 1.30

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

	Maximum.	Minimum.	Mean.	Normal.
	70	54	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 2

Actual sunshine, hours, 9.4

Possible sunshine, hours, 10.1

Percentage of possible sunshine, 83

Prevailing direction S

Total movement,

Average hourly velocity, 19.0

Maximum velocity, 35 Direction, SW Time. Began 12:00 M.

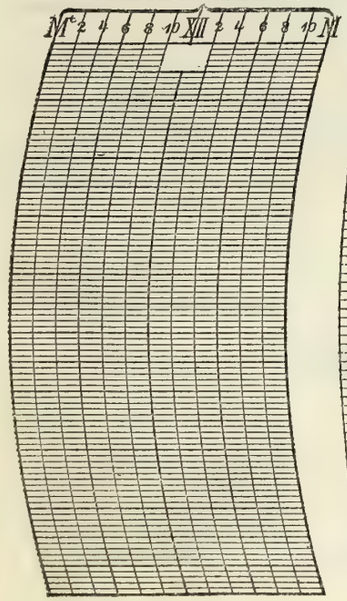
Extreme velocity,

Relative humidity, 69 a. m. 51 p. m.

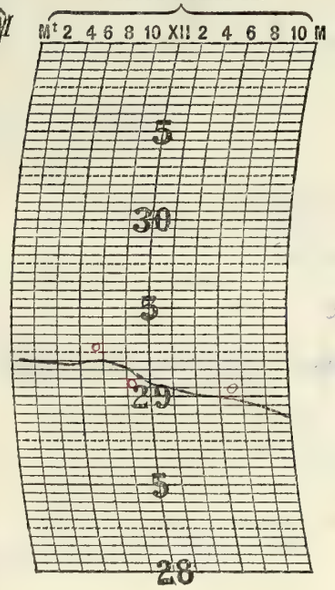
Reduced barometer, 30.10 a. m. 30.08 p. m.

River gage, 2.0 ft.

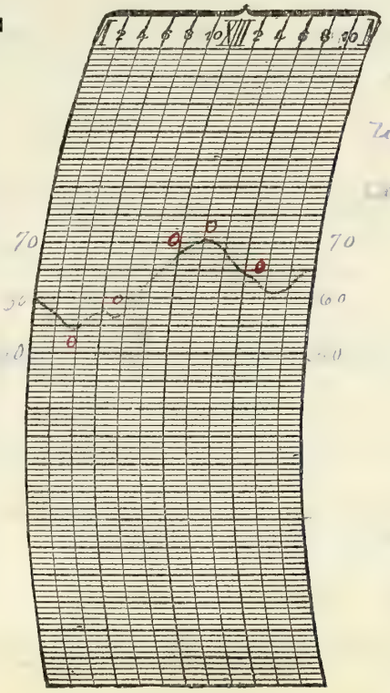
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Strong and somewhat gusty winds prevailed during the day and midnight P.M.

Prepared by N.F.C.

Verified by P.M.C.O.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV. 9 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	[illegible]	[illegible]	[illegible]	55	55	48	46	45	44	43	[illegible]
State of weather: Nature of precipitation and time of beginning and ending		RB DR										RL 11.50
Amounts of precipitation		T	.04	.03	.15	.08	[illegible]	.02	.01	.07	.07	.03
Cloudiness and other conditions												
Sunrise: Time, Character,	6.22 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	SW	SW	SW	SW	SW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wind movement	27	27	17	15	13	11	15	12	11	[illegible]	[illegible]	[illegible]
Maximum velocities (exceeding 24 miles) direction and time	32 S 12.44	34 S 1.50										

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	44	[illegible]	44	44	[illegible]	42	41	40	39	[illegible]
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character,									4.28 Clear			
Sunshine (in tenths of hours)	0	0.6	0.9	0.9	.47 0							
Wind direction	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	15	13	9	8	11	11	10	11	12	11	11

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
65	38	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .16 ins.; to 7 p. m., [illegible] ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Cloudy Moon phase, [illegible]

Average daily cloudiness (0-10) 7

Actual sunshine, hours, 3.0

Possible sunshine, hours, 10.1

Percentage of possible sunshine, 30

Prevailing direction SW

Total movement, 321

Average hourly velocity, 13.4

Maximum velocity,	Direction,	Time.
32	S	Began 12.44

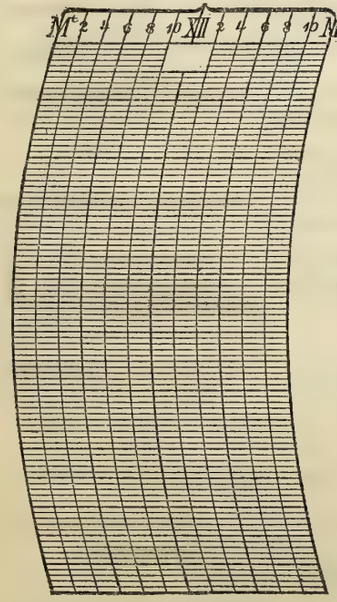
Extreme velocity, 33 S 12.44 AM

Relative humidity, 46 a. m. 71 p. m.

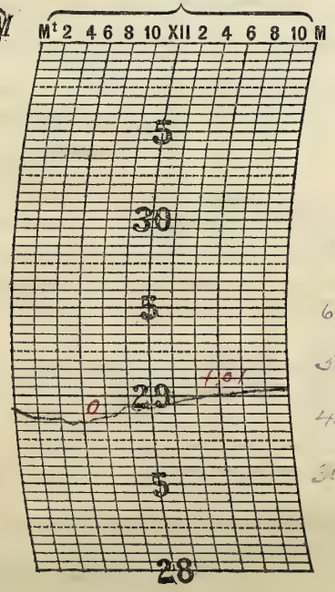
Reduced barometer, 29.77 a. m. 29.97 p. m.

River gage, [illegible]

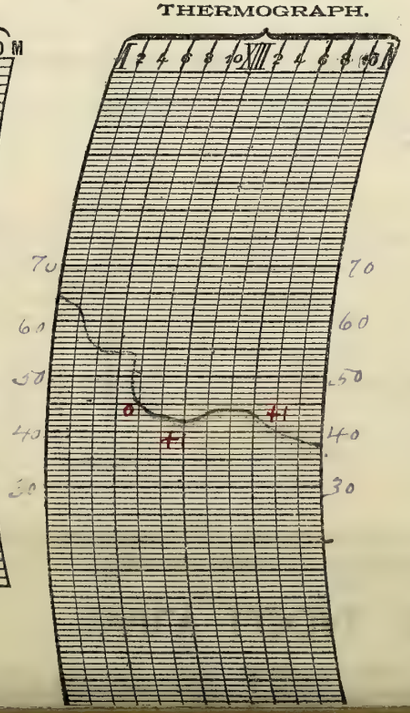
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light winds prevailed during the early morning.

Prepared by H.T.C.

Verified by P.M.G.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 10 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	38	38	39	39	40	41	41	43	46	51	55	57	58	58	57	56	55	47	[illegible]	42	40	39	37
State of weather: Nature of precipitation and time of beginning and ending																		RR 5-6	R 6-15					
Amounts of precipitation																		01	R					
Cloudiness and other conditions						Pt Cloudy											Cloudy							
Sunrise: Time, Character,	6.23 Cloudy																				Sunset: Time, Character,			4.27 Cloudy
Sunshine (in tenths of hours)							0	0	0	0.6	0.7	1.0	1.0	0.8	0.5	0	0							
Wind direction	SW	SW	S	S	S	S	S	S			SW	SW	SW	SW	SW	SW	SW	W	NW	NW	NW	NW	NW	N
Wind movement	9	10	9	10	11	11	13	15	18	23	25	27	28	29	23	20	17	16	14	13	13	7	4	5
Maximum velocities (exceeding 29 miles) direction and time											8: SW	S	35 SW	36 SW										

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	58	37	48	

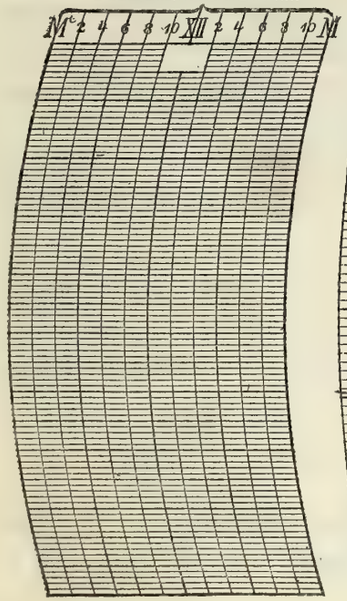
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10)
Actual sunshine, hours, 4.4
Possible sunshine, hours, 10.1
Percentage of possible sunshine, 44
Prevailing direction SW
Total movement, 370
Average hourly velocity, 15.4

Maximum velocity,	Direction,	Time.
36	SW	Began 1.23 p.m.

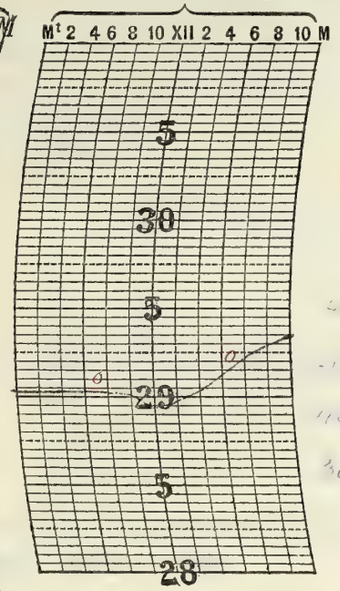
Extreme velocity, 36 SW – 1.23 PM

Relative humidity, 63 a. m. / p. m.
Reduced barometer, 29.96 a. m. 30.11 p. m.
River gage, 2.2 ft

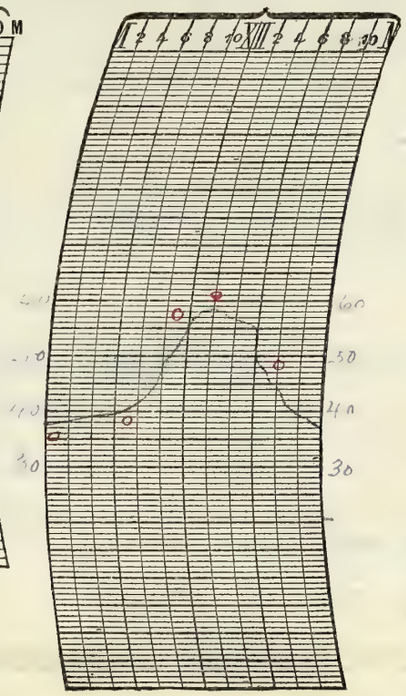
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

High, gusty winds prevailed during the middle of the day

Prepared by J.H.C.
Verified by J.M.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 11 1916, 191 1

Time (local standard) 75 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	35	35	34	33	32	32	32	34	36	38	42	44	45	47	46	44	40	38	37	36	35	35	34
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Pt Cldy				Cloudy						C.O.							
Sunshine (in tenths of hours)							0	0	0	0.2	0.9	0.1	0	1.0	0.7	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	NW	NW	NW	NW	NW	NW	W	NW	NW	NW	NW	NW
Wind movement	1	1	1	7	8	8	9	9	11	14	14	7	11	13	14	15	12	12	13	12	11	12	7	10
Maximum velocities (exceeding ___ miles) direction and time																								

Sunrise: Time, 6.24 Character, Cloudy

Sunset: Time, 4.26 Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
47	31	39	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10)

Actual sunshine, hours, 4.6

Possible sunshine, hours, 10.0

Percentage of possible sunshine, 46

Prevailing direction NW

Total movement, 96

Average hourly velocity,

Maximum velocity,	Direction,	Time.
18	E	Began 10.16

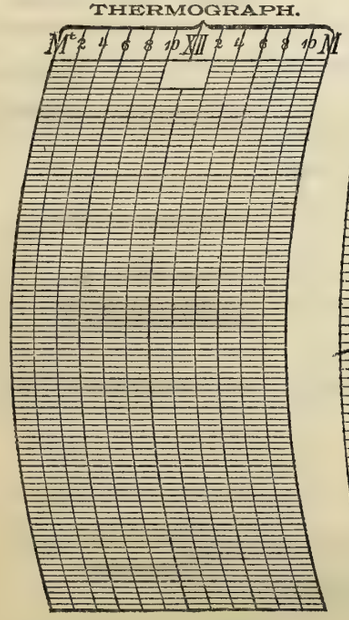
Extreme velocity, 18 – E – 10.16 P.M.

Relative humidity, 80 a. m. 75 p. m.

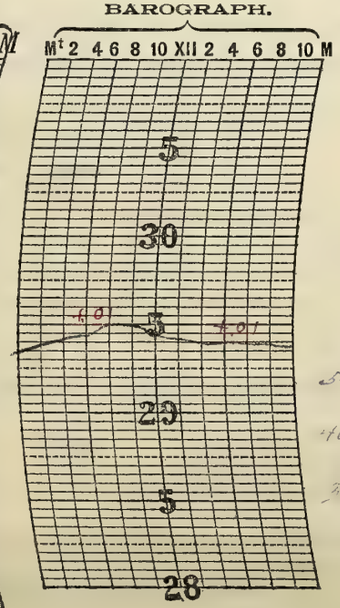
Reduced barometer, 30.43 a. m. 30.36 p. m.

River gage, 2.2 ft.

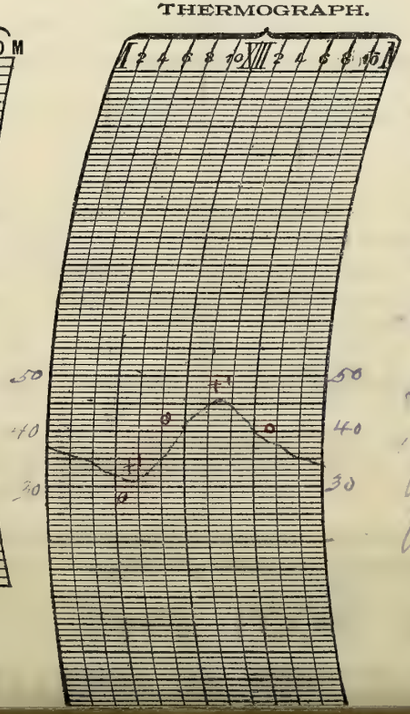
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The following warning was received from "CO" at 10.00 P.M. "Cold wave, temperature will fall heavily Sunday night." Interested parties were called by phone and it was given to the paper for the next morning.

Prepared by H.T.S.
Verified by P.M.H.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 12 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	33	33	32	[illegible]	[illegible]	33	33	34	35	37	38	40	41	42	42	42	41	40	40	40	40	[illegible]	[illegible]
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy										P.C.		Clear					
Sunshine (in tenths of hours)							0						0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	NE	NE	NE	NE	E	E	E	E
Wind movement	10	11	11	12	10	10	4	9	12	13	11	11	9	10	8	7	6	7	8	12	10	8	8	5

Sunrise: Time, 6.25 Character, Cloudy

Sunset: Time, 4.25 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
42	32	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, inches.

Character of day, Cloudy, Moon phase,

Average daily cloudiness (0–10) 7.4

Actual sunshine, hours, 0

Possible sunshine, hours, 10.0

Percentage of possible sunshine,

Prevailing direction NE

Total movement, 244

Average hourly velocity, 9.5

Maximum velocity,	Direction,	Time.
17	E	Began 10.05 A

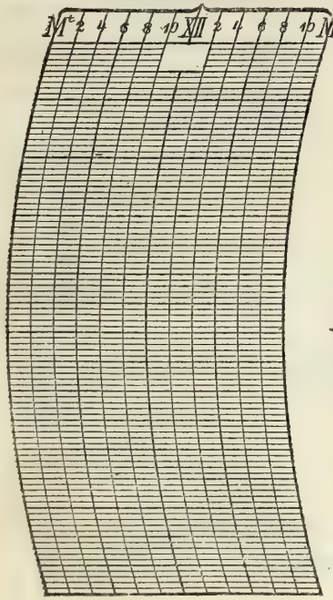
Extreme velocity, 17 – E 10 [illegible]

Relative humidity, 90 a. m., 92 p. m.

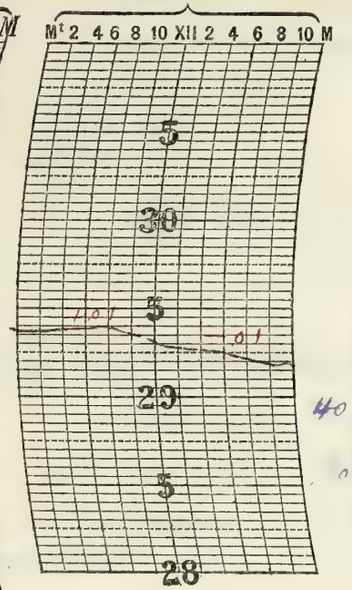
Reduced barometer, 30.33 a. m., 30.16 p. m.

River gage, 2.2 ft.

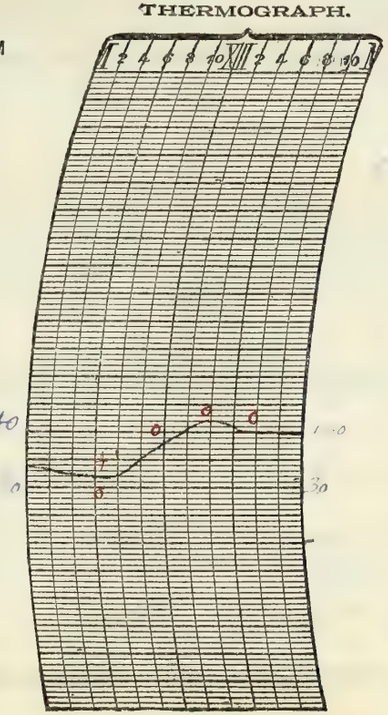
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Other cold wave flag was displayed all day

Prepared by

Verified by PMG.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 13 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	40	41	42	43	42	42	41	40	40	40	40	40	40	39	38	38	37	[illegible]	35	34	[illegible]	[illegible]	[illegible]
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation												T	T	T	T	T	T	.01	.02	.01	.01	.01	T	T
Cloudiness and other conditions							Cloudy								Cloudy									

Sunrise: Time, 6.26; Character, Cloudy

Sunset: Time, 4.25; Character, [illegible]

Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	E	E	E	E	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	SW	SW	SW	W	W
Wind movement	4	4	1	5	11	11	11	11	11	12			14	13	12	12	12	10	12	12	12	1[illegible]	15	14
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

7 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
43	-1	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0.7 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .10 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) [illegible]

Actual sunshine, hours, 0

Possible sunshine, hours, 10.0

Percentage of possible sunshine, 0

Prevailing direction SW

Total movement, 238

Average hourly velocity, 10.8

Maximum velocity,	Direction,	Time.
17	SW	Began 10.22

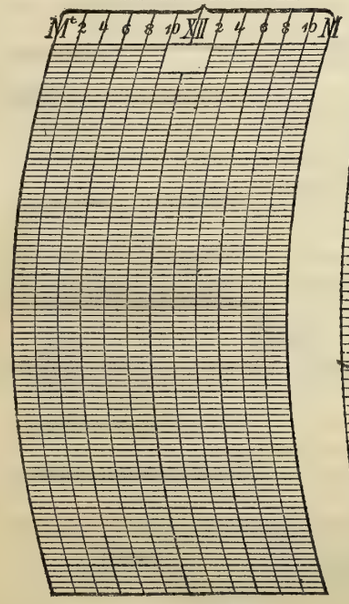
Extreme velocity, 17 SW — 10

Relative humidity, 88 a. m., 92 p. m.

Reduced barometer, 30.07 a. m., 30.04 p. m.

River gage, 2.0 ft.

THERMOGRAPH.



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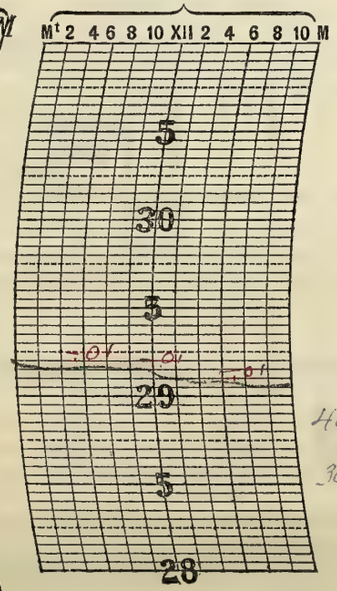

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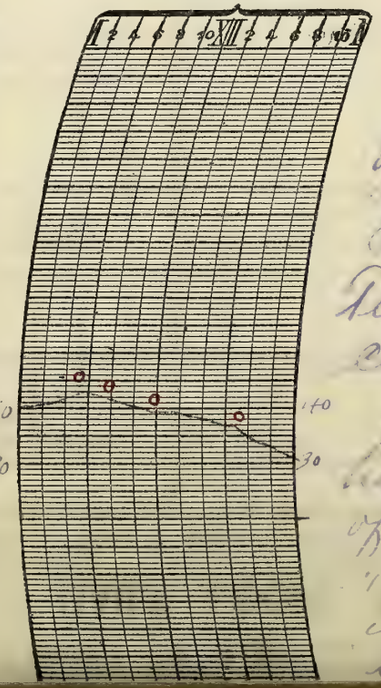


NOTES.

The following warning was received from "CO" at 9.30 A.M. and disseminated in the morning forecast:
Cooler and colder weather tonight and Tuesday, with probably rain turning to snow. Cold wave.
The cold wave flag was immediately hoisted and displayed the rest of the day.
The rain from 11.20 A.M. to 12.20 P.M. was mostly in the form of mist with occasional sprinkling.

Prepared by H.T.C.
Verified by J.M.&C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 14 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	24	28	26	24	24	23	22	22	22	23	24
								SW 8.00				SB 11.45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T	T	T	T	T	T	T				
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 6.28 Character, Cloudy												
Sunshine (in tenths of hours)							0	0	0	0.3	0.2	0
Wind direction	W	W	W	W	W	W	W	SW	W	SW	W	W
Wind movement	16	17	18	17	17	16	17	17	16	15		
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	23	22	22	23	23	23	21	20	19	18	17	17
				SE 4.00								
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T	T	T								
Cloudiness and other conditions	Cloudy											
Sunset: Time, 4.24 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	SW
Wind movement	16	18	16	16	14	12	13	10	9	10	10	8

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
31	17	24	

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0.00 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 9

Actual sunshine, hours, 0.8

Possible sunshine, hours, 9.9

Percentage of possible sunshine, 8

Prevailing direction W

Total movement, 352

Average hourly velocity, 14.7

Maximum velocity,	Direction,	Time.
21	W	Began 1.33 AM

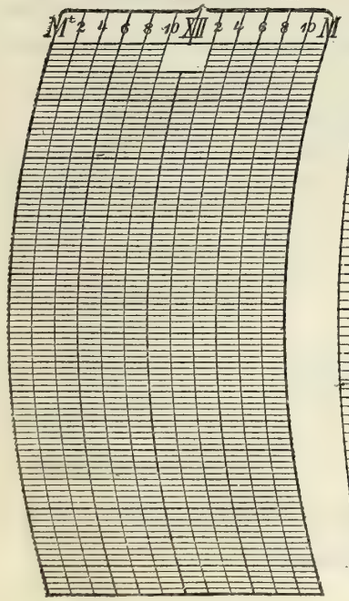
Extreme velocity, 21 – W – 1.33 AM

Relative humidity, 67 a. m. 71 p. m.

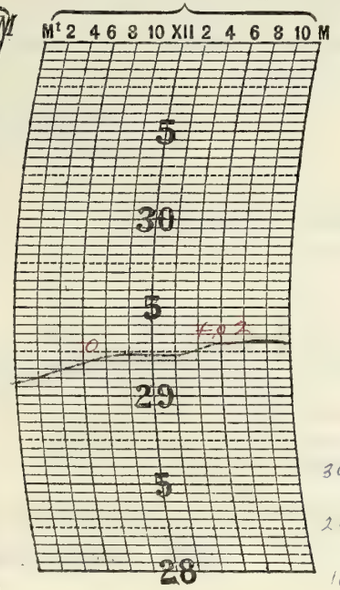
Reduced barometer, 30.14 a. m. 30.28 p. m.

River gage,

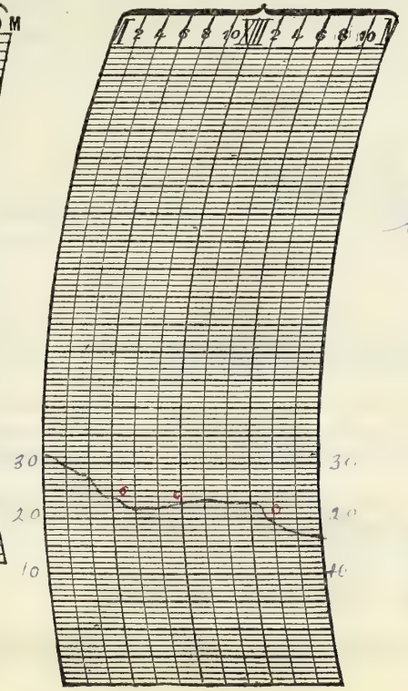
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Snow in the air from 6.00 A.M. to 8.00 A.M. and from 11.45 A.M. to 4.00 P.M. The sun shone through showings in the clouds during part of the forenoon.

Prepared by H.T.R.

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 15 1916, 191

Time (local standard) 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	16	15	15	15	15	14	14	14	16			
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear				Pcl			Cloudy	
Sunshine (in tenths of hours)							.52 0	1.0 0	0	0	0.3	0.6
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	W
Wind movement	7	4	7	4	9	4	9	9	13	13	14	13

Sunrise: Time, 6.29 Character, Clear

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	24	25	25	25	25	24	24	24	24	24		
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy				Cloudy					
Sunshine (in tenths of hours)	0	0.5	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	SW	SW	SW
Wind movement	14	15	13	14	10	10	11	10	11	9	10	7

Sunset: Time, 4.23 Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Maximum.	Minimum.	Mean.	Normal.
25	13	19.5	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Partly Cloudy Moon phase,

Average daily cloudiness (0–10) 7.7

Actual sunshine, hours, 2.4

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 29

Prevailing direction W

Total movement, 266

Average hourly velocity, 11.0

Maximum velocity, 19 Direction, W Time. Began 10 PM

Extreme velocity, 19–W–10 PM

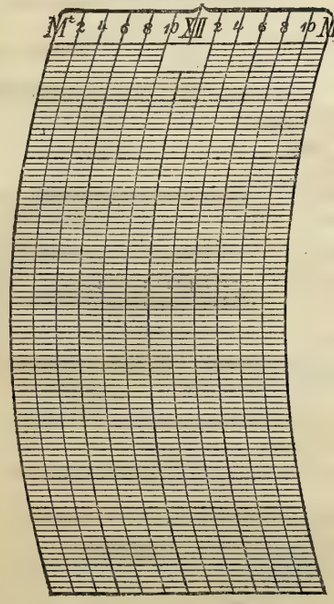
Relative humidity, 78 a. m. 67 p. m.

Reduced barometer, 30.26 a. m. 30.34 p. m.

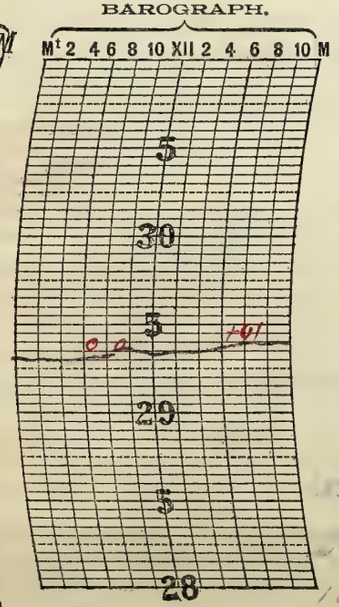
River gage, 2.0 ft

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

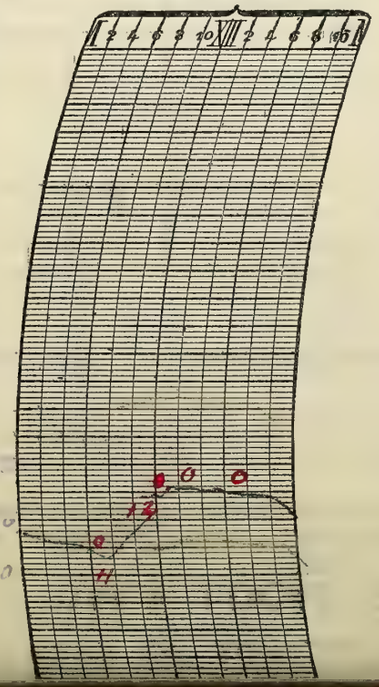
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by J.H.C.

Verified by P.M.O.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 16 1916, 191

Time (local standard), 90 mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour		18	18	17	17	20	21	21	23	26	29	31	31	34	34	33	33		33	33	33	34	33	34
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy				Cloudy						Cloudy							
Sunshine (in tenths of hours)							0	0	0	0.2	0	0.5	1.0	1.0	0.1	0	0							
Wind direction	SW	SW	SW	SW	SW	S	S	S	SW	SW	SW	SW	S	S	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	8	8	8	8	8	10	10	13	15	17	21	22	23	21	20	20	13	13	14	13	12	12	13	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6.30; Character, Cloudy

Sunset: Time, 4.22; Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	33	18	25	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground ____ p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, ____

Average daily cloudiness (0–10), 8

Actual sunshine, hours, 2.8

Possible sunshine, hours, 9.9

Percentage of possible sunshine, 28

Prevailing direction, S. SW.

Total movement, 332

Average hourly velocity, 13.8

Maximum velocity, 25 Direction, S Began 11.25 A.M.

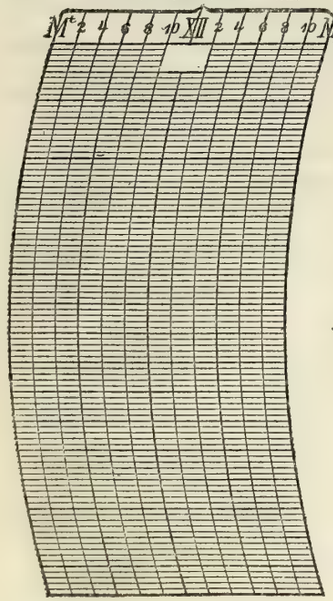
Extreme velocity, 25 S 11.25 A.M.

Relative humidity, 71 a. m. 85 p. m.

Reduced barometer, 30.26 a. m. 30.06 p. m.

River gage, 20 ft

THERMOGRAPH.



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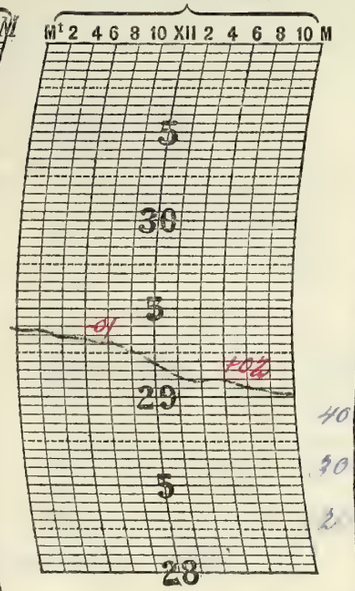

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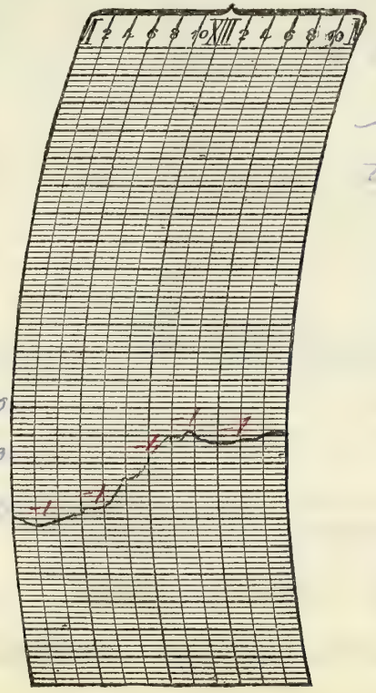


NOTES.

The sun shone through openings in the clouds during the middle of the day

Prepared by
Verified by P.M.S.D.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 17 1916, 191

Time (local standard), ____ mer.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	34	34	34	33	34	35	35	35	35	35	35	35	34	32	33	32	32	31	31	31	30	30
State of weather: Nature of precipitation and time of beginning and ending												S^m B 11:30 S^m E 11:40			S^m B 2:40	—	S^m E 4:45								
Amounts of precipitation												T			T	T	T								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	S W	S W	S W	W	W	N W	W	W	W	W	W	W	W	W	W	N W	N W	W	W	W	W	W	W	S W
Wind movement	9	7	6	2	7	6	5	4	5	4	3	3	2	3	3	1	6	6	6	6	5	5	5	4
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 6:51 Character, Cloudy

Sunset: Time, 4:24 Character, Cloudy

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
35	30	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, Cloudy Moon phase, ____

Average daily cloudiness (0-10) ____

Actual sunshine, hours, 0

Possible sunshine, hours, 9.8

Percentage of possible sunshine, 0

Prevailing direction W

Total movement, 165

Average hourly velocity, 6.9

Maximum velocity,	Direction,	Time.
16	W	Began 12:01 pm

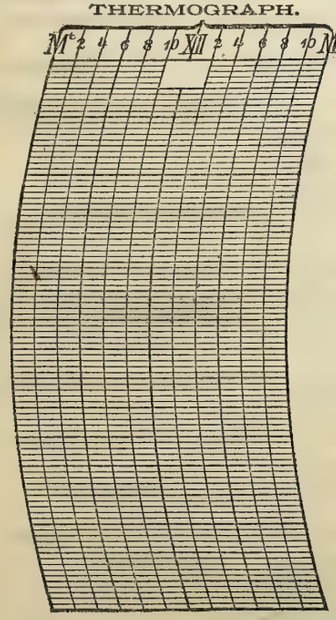
Extreme velocity, 18 W 12:03 pm

Relative humidity, 71 a. m. 61 p. m.

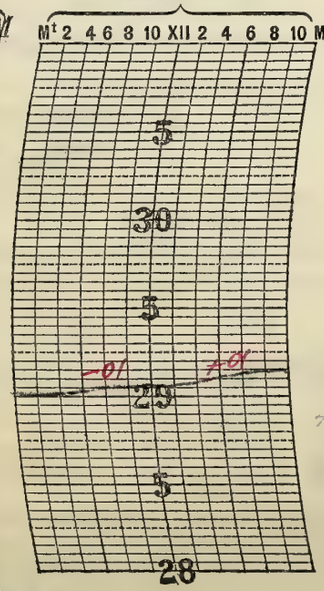
Reduced barometer, 29.9 a. m. ____ p. m.

River gage, ____

THERMOGRAPH.



BAROGRAPH.



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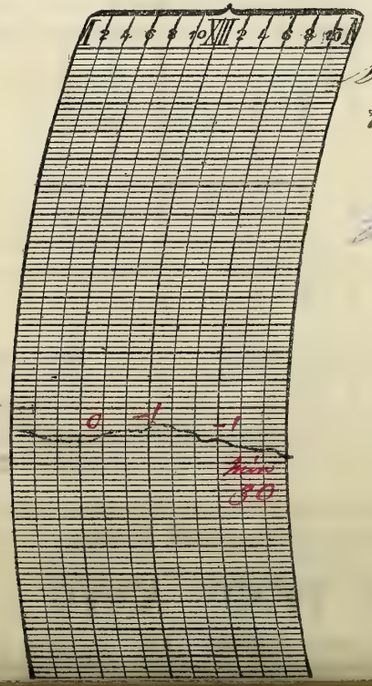


NOTES.

Because of freezing weather the tipping bucket raingage was removed from roof at 1:00 pm.

Snow flurries occurred during the day.

Prepared by

Verified by P. McL.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 18 1916, 191

Time (local standard), 90th mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	30	29	28	25	27	27	32	33	33	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?	—	—	Clear	—	—	—	—	—	—	—	→
Sunshine (in tenths of hours)							0	0	0	0.7	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	5	6	5	7	7	7	5	8	3	10	7

Sunrise: Time, 7:00 a.m.; Character, Cloudy

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	42	41	41	39	37	34	36	35	35	34	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	—	—	—	Clear	—	—	—	—	—	—	—	→
Sunshine (in tenths of hours)	1.0	1.0	0.7	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	21	19	18	14	11	10	11	13	13	13	12	15

Sunset: Time, 4:40 p.m.; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time: 1

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

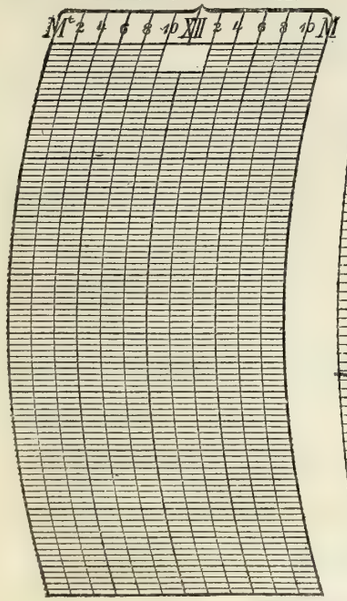
	Maximum.	Minimum.	Mean.	Normal.
Temperature	43	26	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10)
Actual sunshine, hours, 7.0
Possible sunshine, hours,
Percentage of possible sunshine, 71
Prevailing direction SW
Total movement, 223
Average hourly velocity, 11.1

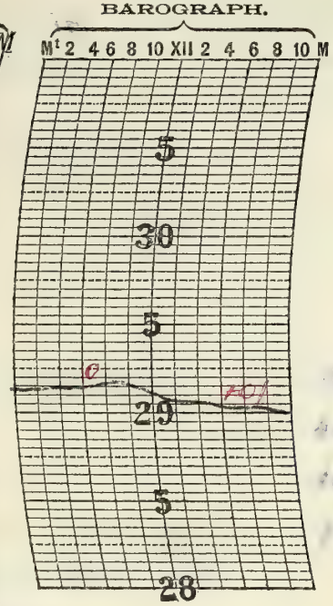
Maximum velocity,	Direction,	Time.
23	SW	Began 12:45 a.m.
Extreme velocity, 24	SW	12:45 a.m.

Relative humidity, 86 a. m., 60 p. m.
Reduced barometer, 30.10 a. m., 29.99 p. m.
River gage, 2.0

THERMOGRAPH.



BAROGRAPH.



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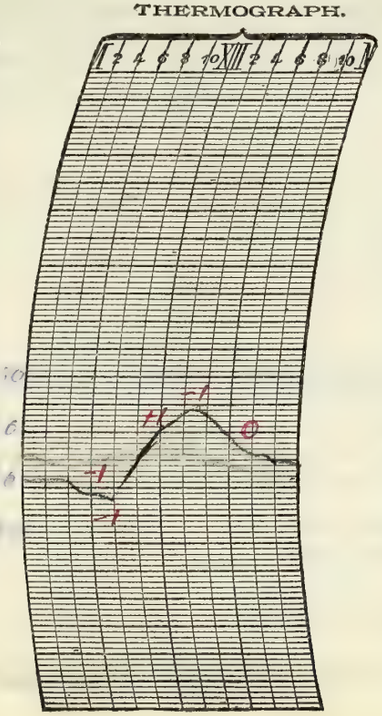


NOTES.

Clear pleasant day; Moderate temperatures.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 19 1916, 191

Time (local standard), ___ mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	14	13	12	10	32	33	[illegible]	35	40	46	50	54	57	59	60	58	59	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear												Clear							
Sunshine (in tenths of hours)							.45 / 0	1.0 / 0	0.1 / 0				1.0	1.0	1.0	0.7 / 3	.33							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	[illegible]	SW	SW	SW	SW	SW	SW	[illegible]	SW	SW	SW	SW	[illegible]
Wind movement	15	11	14	[illegible]	13	13	13	13	11	13	13	[illegible]	19	22	18	14	12	13	13	12	11	9	4	4
Maximum velocities (exceeding ___ miles) direction and time																								

Sunrise: Time, 3 Character, ___

Sunset: Time, ___ Character, Clear

Maximum.	Minimum.	Mean.	Normal.
[illegible]	[illegible]	[illegible]	

Total depth of snow for 24 hours ending 1 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to ___ a. m., ___ ins.; to ___ p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ___

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 6.0

Possible sunshine, hours, ___

Percentage of possible sunshine, 60.0

Prevailing direction ___

Total movement, ___

Average hourly velocity, 14.2

Maximum velocity, 27 Direction, SW Time. Began [illegible]

Extreme velocity, 27-SW [illegible]

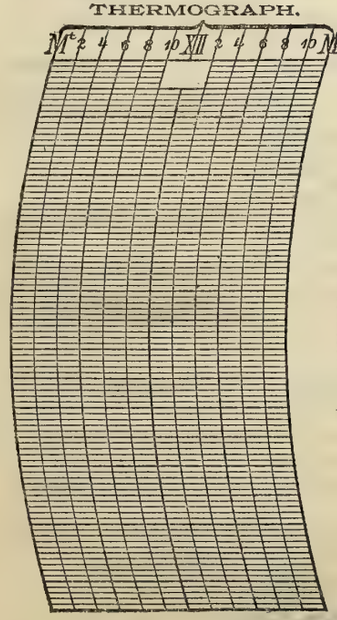
Relative humidity, 07 a. m. 33 p. m.

Reduced barometer, 27.47 a. m. 27.71 p. m.

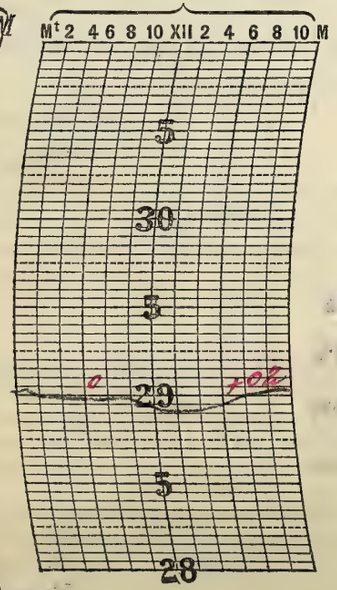
River gage, 2.0

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

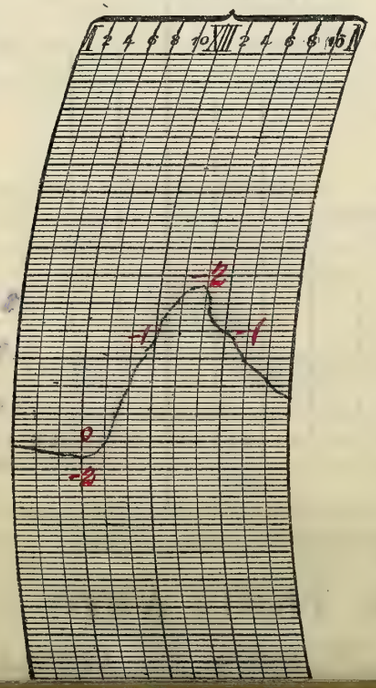
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear and balmy weather.

Prepared by [illegible]

Verified by P. Med.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 20 1916, 191

Time (local standard), ____ mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	39	39	38	36			30	35	37			43	44	43	42	40	39	37		36		34	33
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Pt Cloudy									Pt Cloudy						Clear				?
Sunrise: Time, Character,	6:35 Cloudy																							
Sunset: Time, Character,																					4:19	Cloudy		
Sunshine (in tenths of hours)													0.4	0.6	0.2									
Wind direction	SW	W	SW	SW	SW	SW	SW	SW	W	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	7	11		4	1	2			2			7	10	16	12	8	7	10			12	12	13
Maximum velocities (exceeding 30 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
44	28		

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase, ____

Average daily cloudiness (0–10) 5

Actual sunshine, hours, 2.9

Possible sunshine, hours, 9.9

Percentage of possible sunshine, 30

Prevailing direction NE

Total movement, 182

Average hourly velocity, 7.6

Maximum velocity, 17 Direction, NE Time. Began 3:16 p.m.

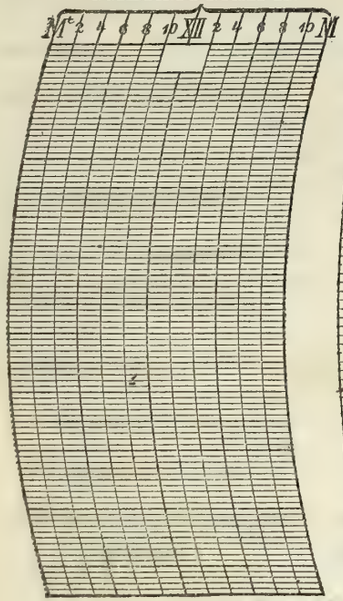
Extreme velocity, 17 – NE 3:16

Relative humidity, 84 a. m. 70 p. m.

Reduced barometer, 30.05 a. m. 30.22 p. m.

River gage, ____

THERMOGRAPH.



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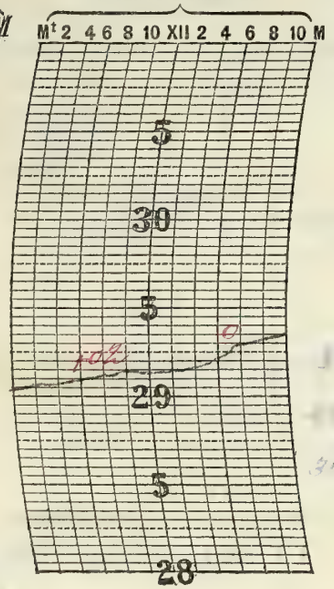
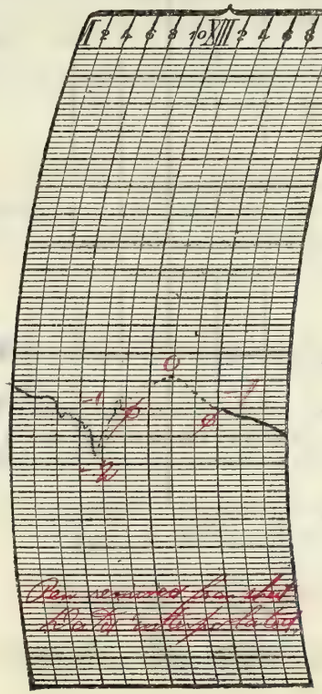


THERMOGRAPH.



NOTES.

Light fog from midnight and became dense at 7:05 am, the sense ending at 8:15 am. The fog was so dense between 7:35 and 8:00 that buildings across the street from the Weather Bureau could not be seen through it.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 21 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	30	29	28	27	28	29	31	35	38	42	45	45	44	41	43	41	40	36	35	34	33	32	32
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?	—	Cloudy	—	—	—	—	—	—	—	—	—	—	—	—	—	Cloudy	—	—	—	—	—	—	—
Sunrise: Time, 6:30 Character, Clear																								
Sunset: Time, 4:45 Character, Cloudy																								
Sunshine (in tenths of hours)							0	0	0.3	1.0	1.0	0.7	0.7	0.3	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	NE	NE	NE	NE	NE	NE	NE
Wind movement	12	13	11	11	10	16	9	8	10	11	12	12	9	10	10	10	7	8	11	10	9	8	6	—
Maximum velocities (exceeding 32 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
45	27	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to — a. m., — ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 7

Actual sunshine, hours, 4.0

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 44

Prevailing direction NE

Total movement, 234

Average hourly velocity,

Maximum velocity,	Direction,	Time.
16	NE	Began 12:58 am

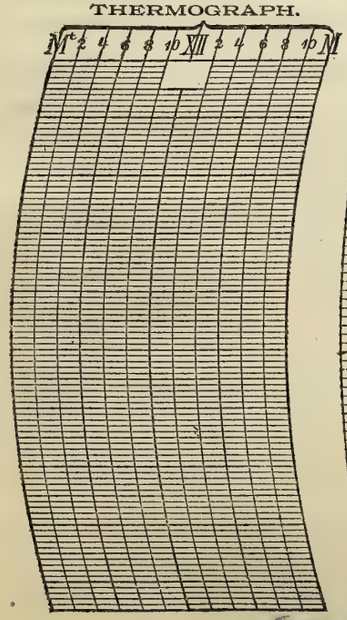
Extreme velocity, 16 — NE — 12:58 am

Relative humidity, 78 a. m. 73 p. m.

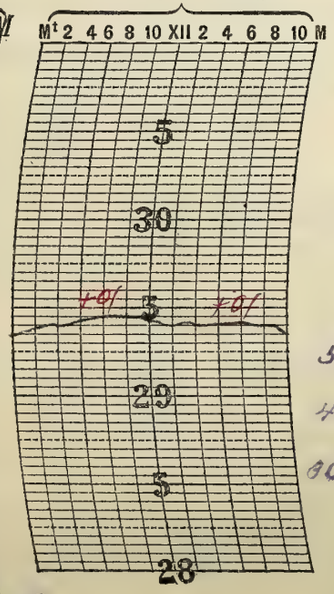
Reduced barometer, 30.41 a. m. 30.37 p. m.

River gage,

THERMOGRAPH.



BAROGRAPH.



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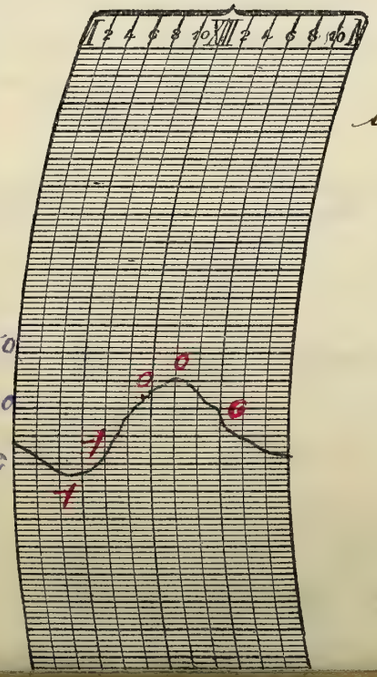


NOTES.

Moderate temperatures, somewhat cloudy, but rather pleasant.

Prepared by

Verified by P. McD.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 22 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	31	31	31	30	30	*	31	32	35	40	41		49	51	52	50	48	46	46	45	45	46	50	49
State of weather: Nature of precipitation and time of beginning and ending																RB 3:15	RE 4:45		RB 6:30	RE 7:15			RB 10:N	
Amounts of precipitation																—	—		—	—			—	
Cloudiness and other conditions					Cloudy											Cloudy								
Sunrise: Time, 6:37 Character, Cloudy																					Sunset: Time, 4:18 Character, Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	SE	SE	SE	SE	SE	E	E	E	E	E	SE	SE
Wind movement	8	8	7	6	7	4	5	3	3	4	4		5	7	8	7	3	4	5	5	6	6	3	3
Maximum velocities (exceeding ___ miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

___ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
52	29	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10)

Actual sunshine, hours, 0

Possible sunshine, hours, 9.7

Percentage of possible sunshine,

Prevailing direction E.

Total movement, 1[illegible]

Average hourly velocity, 6

Maximum velocity,	Direction,	Time.
12	SE	Began 10:54

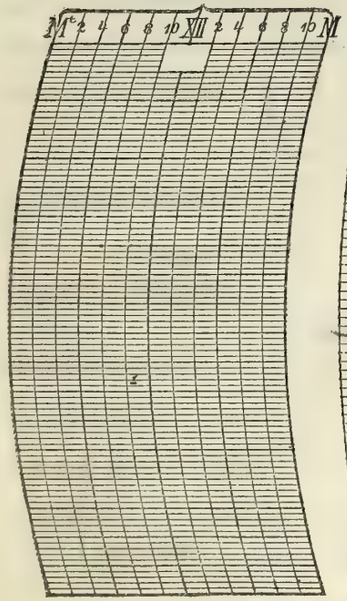
Extreme velocity, 12 SE 10:54

Relative humidity, 77 a. m. 82 p. m.

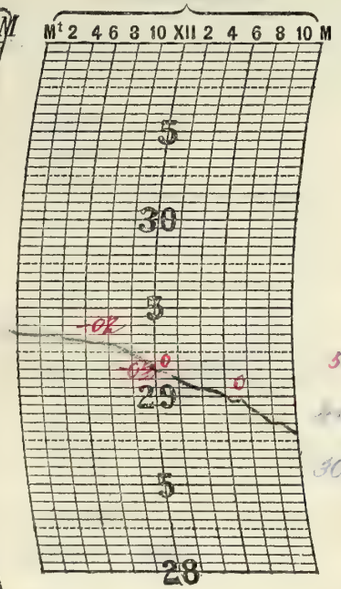
Reduced barometer, 30.23 a. m. [illegible] p. m.

River gage, 2.0 ft.

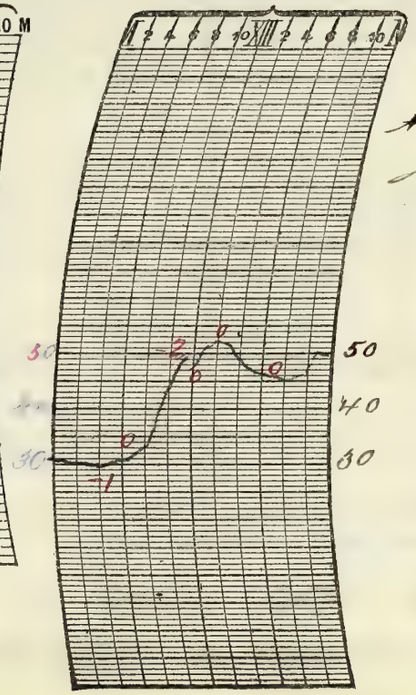
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

* Estimated

Moderate temperatures. Cloudy throughout day, with light rain in the afternoon and night.

Prepared by

Verified by P. M. L.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 23 1916 . 191

Time (local standard), ____ mer. ____ hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	49	46	47	47	47	48	49	49	50	51	54	57
State of weather: Nature of precipitation and time of beginning and ending		RF					RB 6:35			RE 9:10	RB 10:08	
Amounts of precipitation		–					–	–	–	–	–	–
Cloudiness and other conditions					Cloudy							
Sunrise: Time, Character,	6:38 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	SE	S	S	S	SW	SW
Wind movement	7	7	10	12	11	11	12	14	17	16	15	26
Maximum velocities (exceeding 22 miles) direction and time												34 SW 11:53

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	43	43	44	43	43		40	39	39	38	36
State of weather: Nature of precipitation and time of beginning and ending								RE 7:40				RB 11:09
Amounts of precipitation												T
Cloudiness and other conditions					Cloudy							
Sunset: Time, Character,									4:17 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	W	W	W	W	W	W	W	W	
Wind movement	27	27	26	27	23	22	25	23	22	22	[illegible]	
Maximum velocities (exceeding 22 miles) direction and time	40 SW	32 SW 1:03	30 SW	34 W	30 W	30 W	36 SW				31 W	

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	54	36	45	

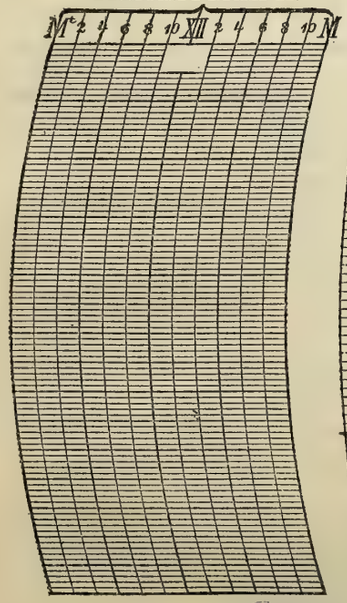
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., ___ ins.; to ___ p. m., ___ ins.
Total precipitation, midnight to midnight, .55 inches.
Character of day, Cloudy Moon phase, ____
Average daily cloudiness (0–10) 10
Actual sunshine, hours, 0
Possible sunshine, hours, 9.4
Percentage of possible sunshine, ____
Prevailing direction W
Total movement, ____
Average hourly velocity, 12.0

Maximum velocity,	Direction,	Time.
40	SW	Began 12:23 p

Extreme velocity, 44 SW 12:53 p

Relative humidity, 93 a. m. 100 p. m.
Reduced barometer, 29.34 a. m. 29.[illegible] p. m.
River gage, 2.0

THERMOGRAPH.



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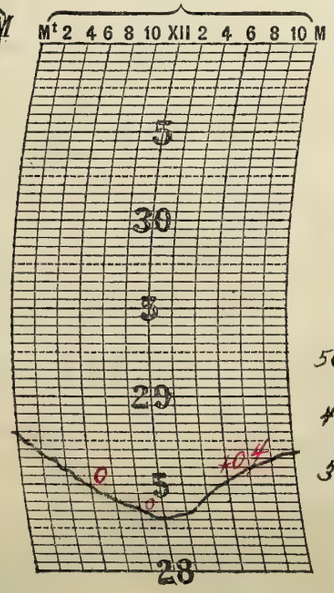

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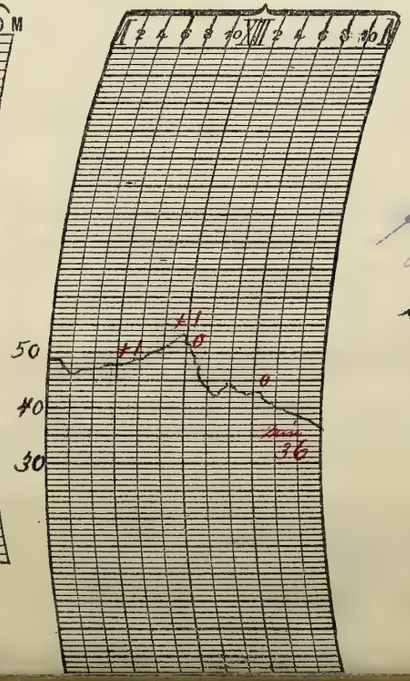


NOTES.

Estimated

Dark, dreary and very disagreeable day. Artificial light was necessary for the performance of almost all indoor work. Increasing winds, with westerly gales in the afternoon

Prepared by [illegible]
Verified by C. M. [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) NOV 24 1916, 191

Time (local standard), ____ mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	35	33	32	31	30	30	29	29	29	28	27	26	25	25	25	25	24	24	22	22	21	21
		RE DNA						SE 9:05									SE 4:15				SE 8:00			SE 11:35
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	T							T	T	—	—	—	—	—	—	—	—				—	—	—	—
Cloudiness and other conditions		—		Pt Cloudy					Cloudy				—	—			Cloudy							
Sunrise: Time, 6:39 Character, Cloudy																					Sunset: Time, 4:16 Character, Cloudy			
Sunshine (in tenths of hours)		1					0	0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	22	20	24	22	22	24	[illegible]	[illegible]	22	22	22	[illegible]	26	23	21	[illegible]	19	16	20	[illegible]	16	12	12	12
Maximum velocities (exceeding 22 miles) direction and time			34 SW 2:27	31 SW 3:4			30 W		30 W	30 W			33 SW 4:4	31 SW										

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
36	21	28	

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.

Snow on ground 7 p. m., 0.1 inches.

Total snowfall, midnight to midnight, 0.4 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 01 ins.

Total precipitation, midnight to midnight, 01 inches.

Character of day, Ck Cldy. Moon phase, ✓

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 0.2

Possible sunshine, hours, 9.6

Percentage of possible sunshine, 2

Prevailing direction W

Total movement, 4[illegible]

Average hourly velocity, 207

Maximum velocity, 34 Direction, SW Time. Began 2:27 AM

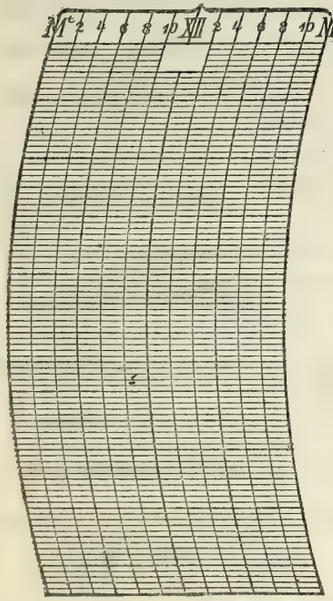
Extreme velocity, 35 — SW — 2:27 AM

Relative humidity, 82 a. m. 44 p. m.

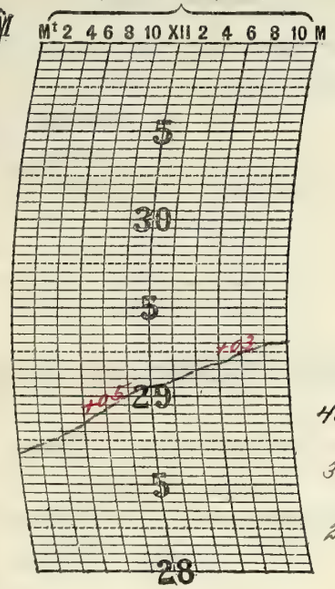
Reduced barometer, 29.87 a. m. 30.21 p. m.

River gage, 2.1 [illegible]

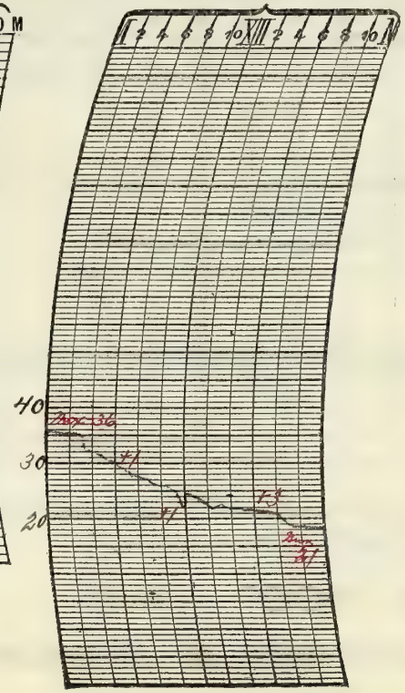
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cold blustery day with snow flurries throughout the day.

High westerly winds, somewhat gusty.

Prepared by

Verified by C. M. C.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) NOV 25 1916, 191

Time (local standard), 75th mer. — 1 hour slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	21	21	21	20	19	18	19	21	23	25		29	30	29	29	29	28		27	27	27	27	28
State of weather: Nature of precipitation and time of beginning and ending																				3:00 P	8:20 S	✓		
Amounts of precipitation																				T	T			
Cloudiness and other conditions						Clear								Partly				Cloudy						
Sunrise: Time, 6:41; Character, Clear																					Sunset: Time, 4:41; Character, Cloudy			
Sunshine (in tenths of hours)							0	0	0.5	1.0	1.0	1.0	1.0	0.5	0	0	0							
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	S	S
Wind movement	10	12	11	11	11	11	10	13	14	15	13		18	18	18	15	12	11	10		10	8		
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
30	17	24	

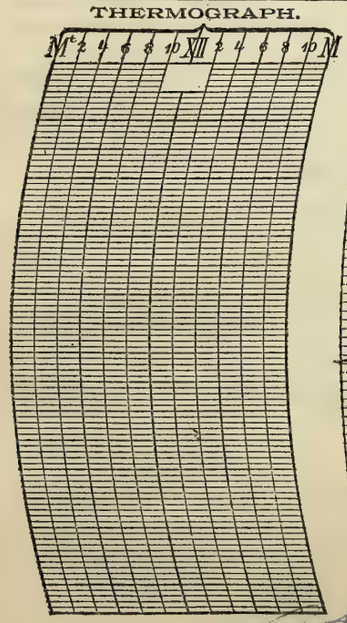
Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., *.03 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Wednesday Moon phase, New
Average daily cloudiness (0–10)
Actual sunshine, hours, 5.0
Possible sunshine, hours, 9.7
Percentage of possible sunshine, 52
Prevailing direction SW
Total movement,
Average hourly velocity, 12.3

Maximum velocity,	Direction,	Time.
23	SW	Began 12:20 am

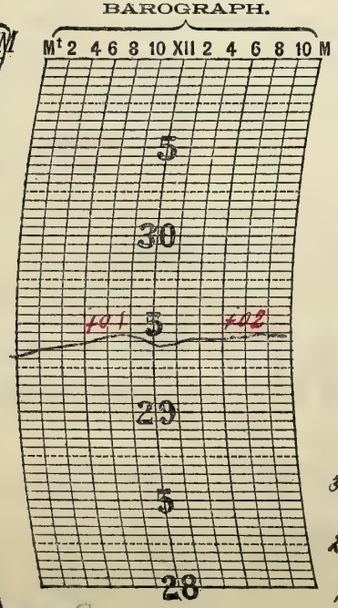
Extreme velocity, 25 – SW 12:30 am

Relative humidity, 68 a. m. 77 p. m.
Reduced barometer, 30.35 a. m. 30.40 p. m.
River gage, 2.1

THERMOGRAPH.



BAROGRAPH.



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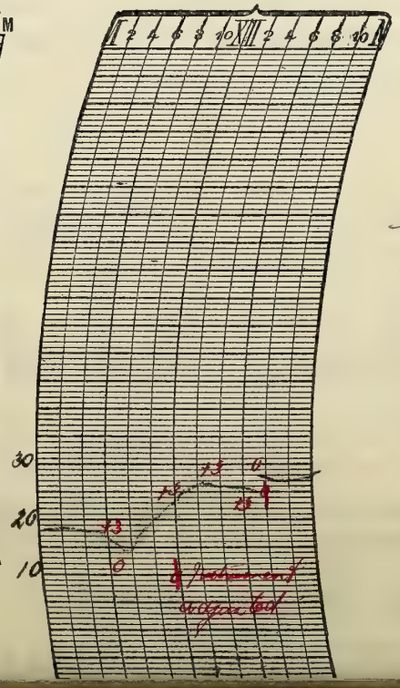


NOTES.

* For beginnings & endings see Nov 24, 1916

Cold disagreeable day. Increasing cloudiness, with light snow in the early part of the night.

Prepared by
Verified by P. McE.

Form No. 1014—Mo. R.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) NOV 26 1916, 191

Time (local standard), 90° mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	29	29	29	30	31	32	32	33	37	39	41	
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?			Pt Cloudy								
Sunrise: Time, Character,	6:42 Clear											
Sunshine (in tenths of hours)							0	0	0.3	0.8	0.6	0.4
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	9	11	10	10	10	10	12	13	18	21	21	23
Maximum velocities (exceeding 22 miles) direction and time												23 S 11:52

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	46	46	46	45	43	43	43	43	43	42	42	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt Cloudy					Cloudy			Cloudy	
Sunset: Time, Character,										4:15 Cloudy		
Sunshine (in tenths of hours)	0.8	0.8	0.6	0	0							
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW
Wind movement	24	27	23	20	17	19	20	21	23	25	24	21
Maximum velocities (exceeding 22 miles) direction and time	24 S 12:19									31 S 9:55	30 S 10:15	

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
46	28	37	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10)

Actual sunshine, hours, 4.3

Possible sunshine, hours, 9.6

Percentage of possible sunshine, 45

Prevailing direction S

Total movement, 450

Average hourly velocity, 18.8

Maximum velocity,	Direction,	Time.
31	S	Began 12:59 pm

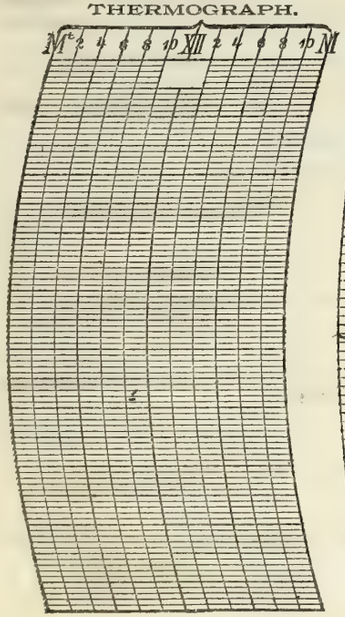
Extreme velocity, 31 S 12:59 pm

Relative humidity, 60 a. m., 44 p. m.

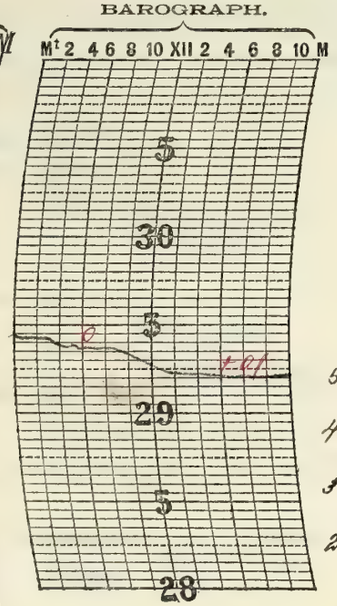
Reduced barometer, 30.32 a. m., 30.28 p. m.

River gage,

THERMOGRAPH.



BAROGRAPH.



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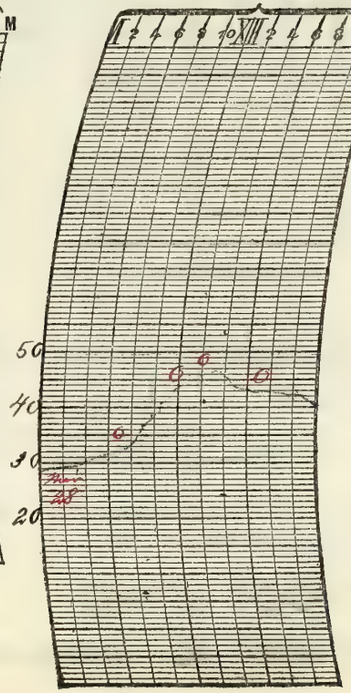


NOTES.

Moderate temperatures; generally partly cloudy; fresh southerly winds, somewhat gusty.

Prepared by

Verified by P. M. S.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) NOV 27 1916, 191

Time (local standard), 90th mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	40	39	38	39	40		42	47	50	51	52	54	53	53	53	51	49	50	50	50	51	52	51
State of weather: Nature of precipitation and time of beginning and ending																					RB 8:50 RE 9:50			
Amounts of precipitation																					T			
Cloudiness and other conditions	?	—	—	—	Clear	—	—	—	—	—	—	—	*	—	Pt Cloudy	—	—	—	Cloudy	*	—	Cloudy		→
Sunshine (in tenths of hours)	Sunrise: Time, 6:43; Character, Cloudy						0	0	0.5	1.0	1.0	1.0	1.0	1.0	0.5	0	0				Sunset: Time, 4:15; Character, Cloudy			
Wind direction	SW	SW	SW	S	SW	S	S	S	SW	SW	SW	SW	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	21	17	17	19	18	19	20	19	21	24	27	34	26	24	19	18	17	17	17	16	18	20	19	17
Maximum velocities (exceeding 22 miles) direction and time										30 S 9:52	31 S 10:35	34 S 11:01	31 S 12:20											

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
55	38	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 6.0

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 63

Prevailing direction S

Total movement, 483

Average hourly velocity, 20.1

Maximum velocity,	Direction,	Time.
34	S	Began 11:01 AM

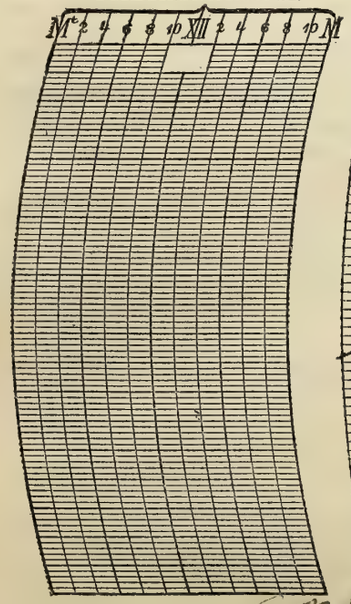
Extreme velocity, 35 — S — 11:01 AM

Relative humidity, 44 a. m., 42 p. m.

Reduced barometer, 30.21 a. m., 30.08 p. m.

River gage, 2.2

THERMOGRAPH.



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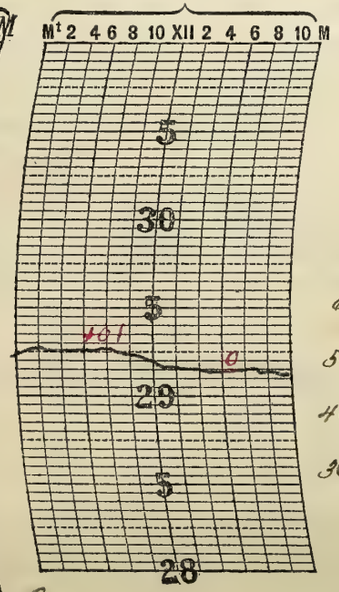

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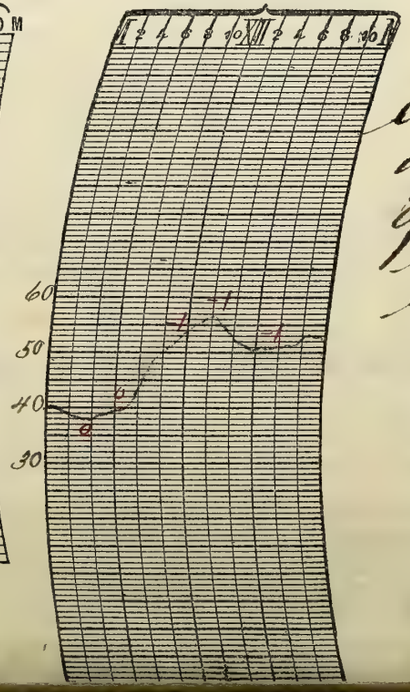


NOTES.

Clear in the forenoon and increasing cloudiness in the afternoon, with a light sprinkle of rain at night. Mild temperature, with fresh and somewhat gusty southerly winds.

Prepared by E. C. S.

Verified by J. M. L.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) NOV 28 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	46	46	46	46	46	46	47	48	48	49	51
	RB											RE 11:20
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character,	6:44 Cloudy											
Sunshine (in tenths of hours)							0	0			0	
Wind direction	SW	S	S	S	SW	S	SW	SW	S	S	S	S
Wind movement	18	16	14	12	11	12	9	8	8	10	9	9
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	55	55	55	54	52	52	51	51	51	52	52
							RB 6:55		RE 8:40			
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation							—	—	—			
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character,									4:44 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	S	S	S	S	S	SE	S	S	S
Wind movement	9	10	10	9	12	12	9	7	7	6	8	9
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	55	46	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .06 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 1.5

Percentage of possible sunshine, 0

Prevailing direction S.

Total movement, 244

Average hourly velocity, 10.2

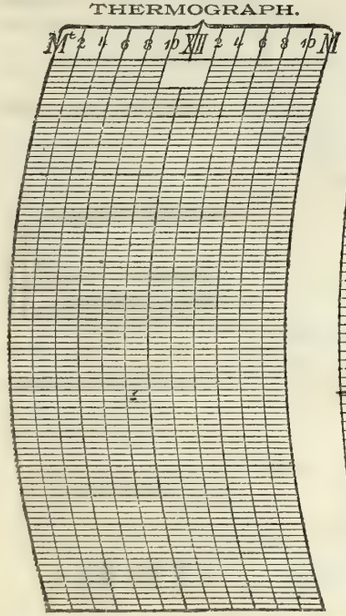
Maximum velocity,	Direction,	Time.
20	SW	Began 12:08am
Extreme velocity, 21	SW	12:11am

Relative humidity, 96 a. m. 93 p. m.

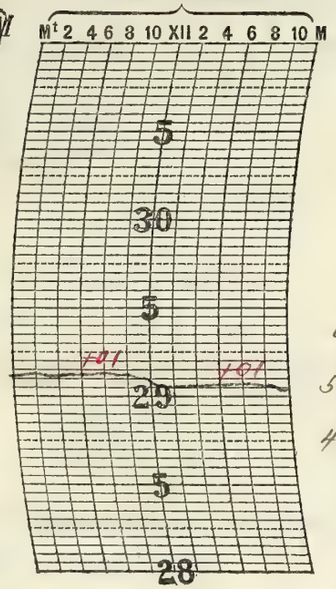
Reduced barometer, 30.07 a. m. 30.01 p. m.

River gage, 2.2

THERMOGRAPH.



BAROGRAPH.



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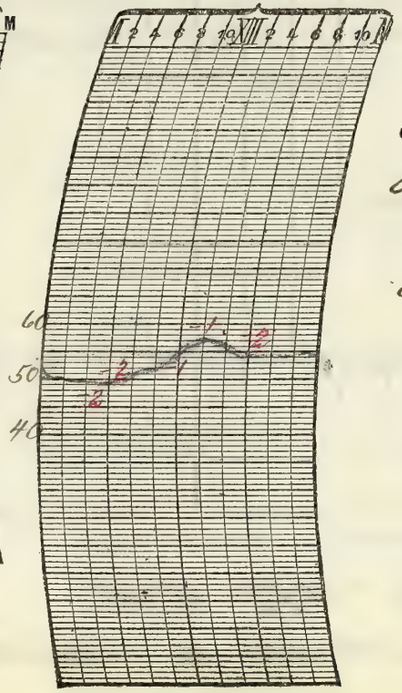


NOTES.

Mild temperatures and southerly winds. Light rain first half of day and in the early part of the night. Cloudy throughout the day.

Prepared by C. A.
Verified by C. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) NOV 29 1916 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	52	52	52	52	52	52	52	52	52	53	53
State of weather: Nature of precipitation and time of beginning and ending	R 15 D NA										RE 10:20	
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions					Cloudy							
Sunrise: Time, Character, 6:45 Cloudy												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	SW	SW	S	S	S	SW	SW	SW	SW	SW
Wind movement	10	11	10	9	10	9	11	11	12	14	12	15

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	53	55	54	47	47	46	45	44	43	41	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy						Clear			
Sunset: Time, Character, 4:14 Cloudy												
Sunshine (in tenths of hours)	0.1	0.6	0.1	0	0							
Wind direction	SW	SW	W	W	W	W	SW	SW	SW	SW	W	W
Wind movement	17	16	15	12	11	10	11	11	11	12	12	12

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

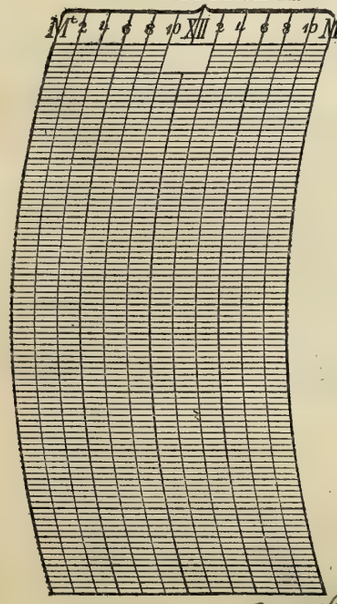
	Maximum.	Minimum.	Mean.	Normal.
Temperature	55	39	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, .02 inches.
Precipitation to 7 a. m., .15 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .17 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10) 8
Actual sunshine, hours, 0.8
Possible sunshine, hours, 9.5
Percentage of possible sunshine, 8
Prevailing direction SW
Total movement, 284
Average hourly velocity, 11.8

Maximum velocity,	Direction,	Time.
19	SW	Began 12:30 pm
Extreme velocity, 20—SW		12:33 pm

Relative humidity, 98 a. m., 78 p. m.
Reduced barometer, 29.93 a. m., 30.02 p. m.
River gage, 2.0 ft.

THERMOGRAPH.



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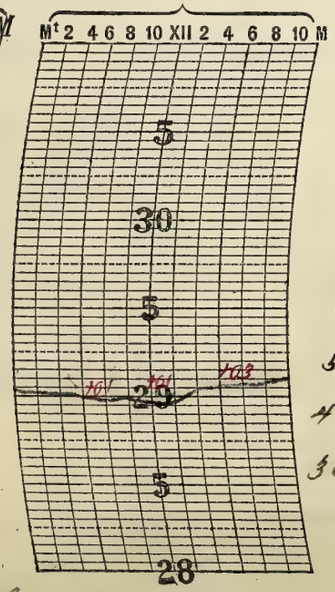

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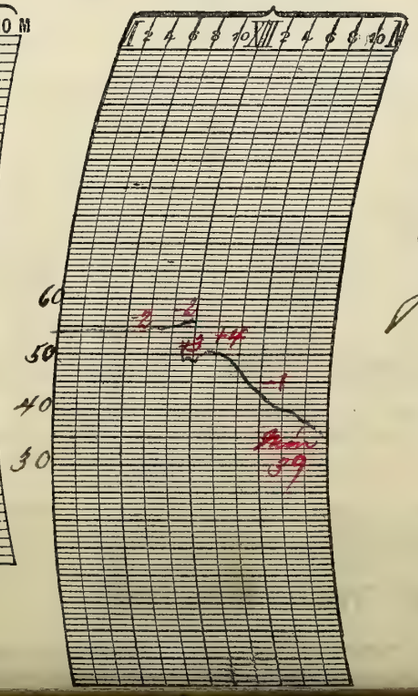


NOTES.

Day opened ~~cloudy~~ with moderate temperature and a light rain clearing off toward evening and getting somewhat colder.

Prepared by
Verified by

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) NOV 30 1916, 191

Time (local standard), 90th mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	37	37	36	34	33	32	30	32	35	37	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?	—	Cloudy			—		×Clear×		Clear	×Clear×	
Sunrise: Time, Character,	6:46 Cloudy											
Sunshine (in tenths of hours)							0	0	0.4	1.0	1.0	0.7
Wind direction	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	8	6	12	10	10	11	10	11	11	12	12	14
Maximum velocities (exceeding 30 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	41	42	42	40	39	36	35	34	33	33	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×Clear×	—	Clear	—								?
Sunset: Time, Character,									4:44 Clear			
Sunshine (in tenths of hours)	0.8	1.0	1.0	1.0 / 0	.23 / 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S
Wind movement	14	15	15	10	10	8	9	9	7	9	8	10
Maximum velocities (exceeding 30 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

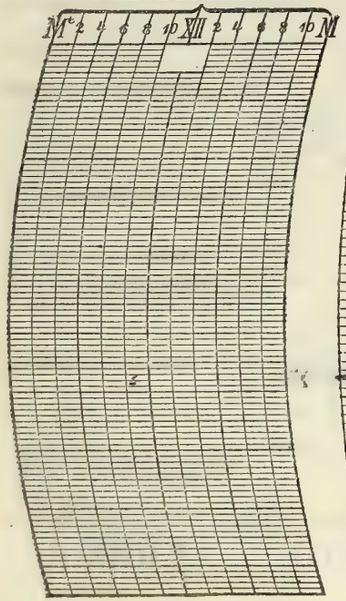
	Maximum.	Minimum.	Mean.	Normal.
	42	30	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10) 2
Actual sunshine, hours, 7.1
Possible sunshine, hours, 9.5
Percentage of possible sunshine, 75
Prevailing direction SW.
Total movement, 251
Average hourly velocity, 10.5

Maximum velocity,	Direction,	Time.
17	SW	Began 12:04 pm
Extreme velocity, 17	SW	12:04 pm

Relative humidity, 74 a. m., 65 p. m.
Reduced barometer, 30.16 a. m., 30.13 p. m.
River gage, 2.2 ft.

THERMOGRAPH.



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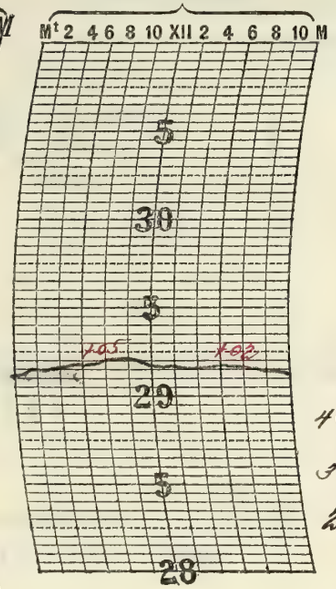

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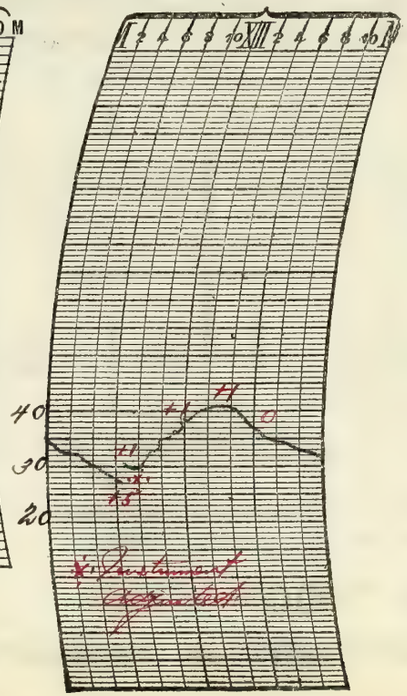


NOTES.

Day opened cloudy and cool, clearing off during the morning and becoming very pleasant.

Prepared by CWS
Verified by C. M. G.

8—136

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 1 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	33	34	36	36	37	38	39	42	44	46	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?		Mcloudy						Clear			
Sunshine (in tenths of hours)							0	0	0.2	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	10	10	11	13	15	17	17	17	23	23	25	24
Maximum velocities (exceeding 22 miles) direction and time										30 SW 9:35	30 SW 10:35	

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	47	48	49	48	45	43	41	38	37	37	37	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	1.0	0.2 0.8	1.0 0	2.2 0							
Wind direction	SW	SW	W	W	W	SW	W	W	W	W	W	W
Wind movement	22	17	17	12	8	8	10	9	7	8	9	6
Maximum velocities (exceeding 22 miles) direction and time												

Sunrise: Time, 6:47; Character, Cloudy

Sunset: Time, 4:14; Character, Clear

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

	Maximum.	Minimum.	Mean.	Normal.
Temperature	49	32	40	1

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear. Moon phase, 1st Quarter 9:56 pm

Average daily cloudiness (0–10), 1

Actual sunshine, hours, 7.4

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 79

Prevailing direction, W.

Total movement, 338

Average hourly velocity, 14.1

Maximum velocity, 30; Direction, SW; Time, Began 10:35 am

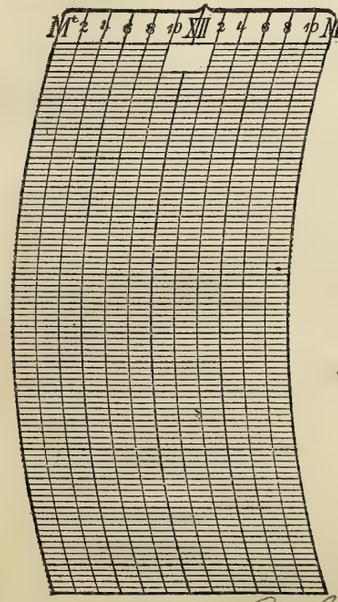
Extreme velocity, 35 — SW — 10:35 am

Relative humidity, 69 a. m., 50 p. m.

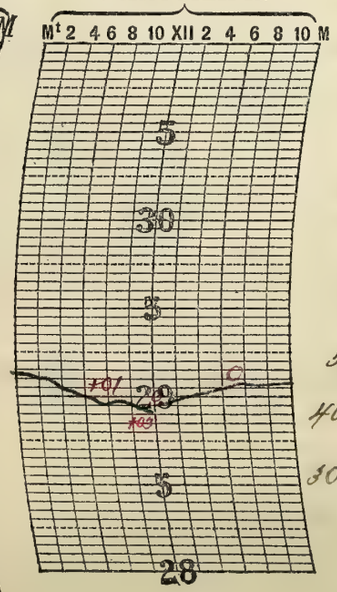
Reduced barometer, 29.95 a. m., 29.90 p. m.

River gage, 2.2 ft.

THERMOGRAPH.



BAROGRAPH.



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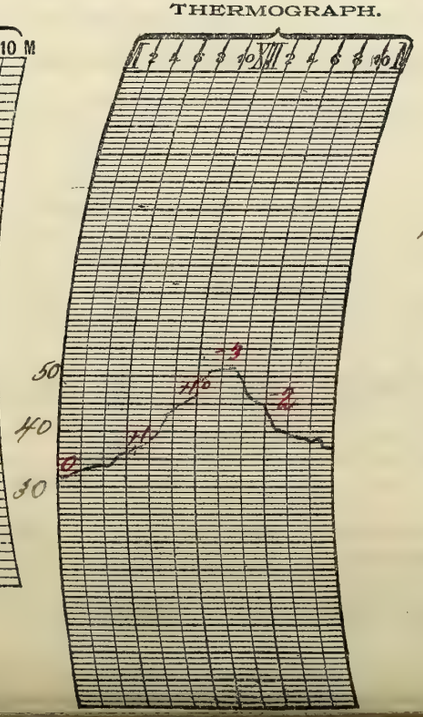


NOTES.

Day opened partly cloudy, clearing off in the morning. A mild pleasant day with moderate southwest winds

Prepared by [illegible]

Verified by [illegible]

8—426

Form No. 1012—Rev. 7.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 2 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	33	31	31	30	30	28	33	40	44	48	50	48	49 ~~46~~	50	47	45	43	43	42	41	40	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear												Pt Cloudy											?
Sunrise: Time, 6:48; Character, Cloudy																					Sunset: Time, 4:13; Character, Cloudy			
Sunshine (in tenths of hours)							0	0	0.1	0.5	0.7	1.0	1.0	0.2	0.2	0	0							
Wind direction	W	W	W	W	W	SW	W	SW	SW	SW	SW	S	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	6	6	5	5	6	6	5	6	4	6	6	7	7	7	6	7	5	6	7	7	6	5	7	8
Maximum velocities (exceeding 22 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
50	28	39	

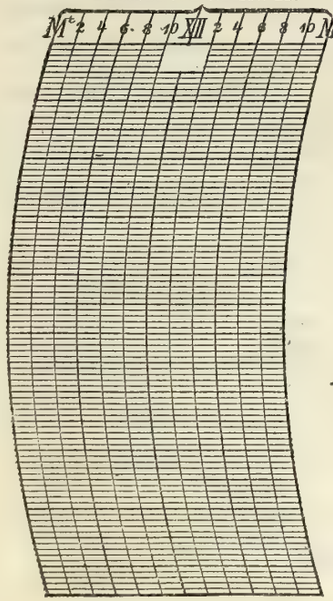
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10) 7
Actual sunshine, hours, 3.7
Possible sunshine, hours, 9.4
Percentage of possible sunshine, 39
Prevailing direction SE.
Total movement, 146
Average hourly velocity, 6.1

Maximum velocity,	Direction,	Time.
9	SE	Began 11:45 pm

Extreme velocity, 9 — SE — 11:45 pm

Relative humidity, 73 a. m., 43 p. m.
Reduced barometer, 30.11 a. m., 30.10 p. m.
River gage, 2.2 ft.

THERMOGRAPH.



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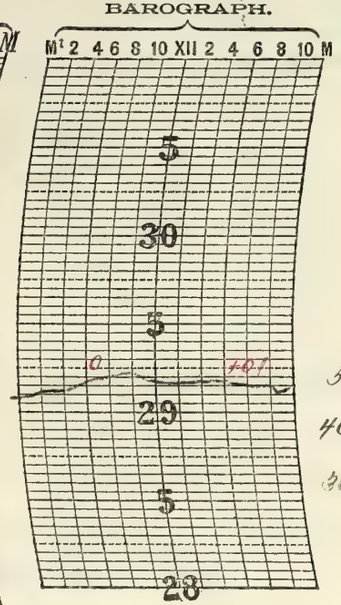

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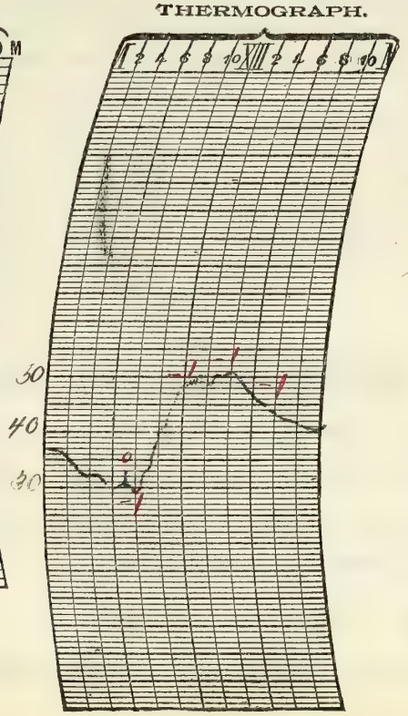


NOTES.

A very pleasant day with moderate temperature.
A lunar halo of the 45° variety was observed from 6:40 pm until about 8:53 pm.

Prepared by [illegible]
Verified by [illegible]

8—180

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 3 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	40	38	38	39	39	39	39	46	42	45
State of weather: Nature of precipitation and time of beginning and ending	RB HE RNA											
Amounts of precipitation	.01											
Cloudiness and other conditions	?	—	—	—	Cloudy				—	—	—	—
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	6	11	10	9	9	8	8	8	8	8	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	48	51	52	51	50	49	48	48	48	51	51
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	—	×	Hzy	×	—	Clear	—	×	Hzy	×	Cloudy	—
Sunshine (in tenths of hours)	0	0	0.2	1.0	.22							
Wind direction	SE	SE	SE	S	S	S	S	S	S	S	SW	S
Wind movement	5	5	6	8	6	5	6	7	6	9	10	7

Sunrise: Time, 6:49; Character, Cloudy

Sunset: Time, 4:13; Character, Clear

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
	52	38	45	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 1.4

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 15

Prevailing direction SE.

Total movement, 178

Average hourly velocity, 7.4

Maximum velocity, 14. Direction, SE. Time. Began 2:27 am

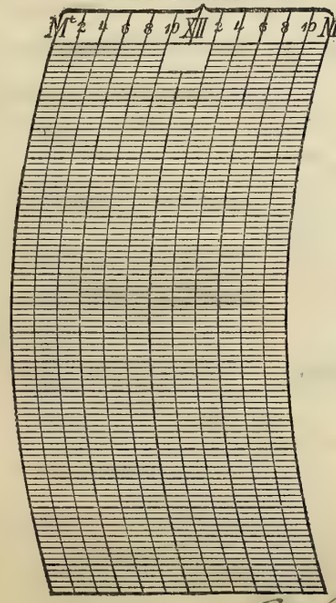
Extreme velocity, 14 - SE — 2:27 am

Relative humidity, 90 a. m., 80 p. m.

Reduced barometer, 29.95 a. m., 29.84 p. m.

River gage,

THERMOGRAPH.



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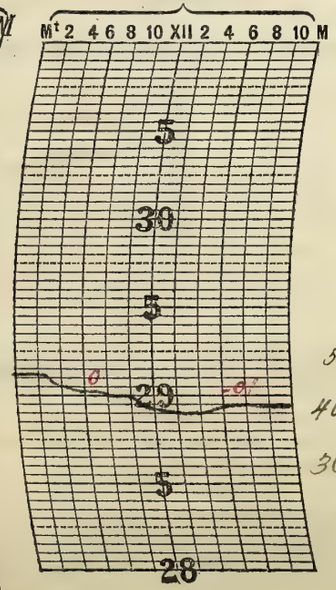

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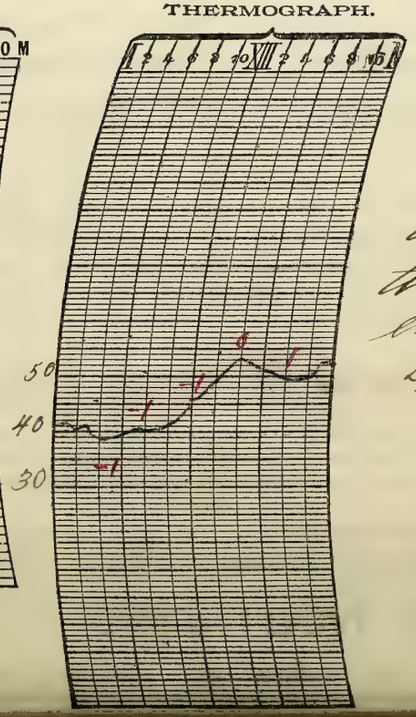


NOTES.

Day opened cloudy. Clouds began to break up at 2:10 pm; clear at 2:45 pm, and the weather remained clear during the remainder of the afternoon and evening but cloudiness began to set in shortly after the p.m. observation.

Prepared by [illegible]

Verified by P. McD.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station): Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 4 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	53	54	54	55	56	57	58	59	59	60	61
Nature of precipitation and time of beginning and ending	RB RE DNA											
Amounts of precipitation	T											
Cloudiness and other conditions	Cloudy											
Sunrise: Time, Character	6:50 Cloudy											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	SE	S	S	S	S	S	S	S	S	S
Wind movement	7	7	8	10	12	12	12	13	12	12	13	14

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	59	57	57	56	56	52	53	53	54	53	53
Nature of precipitation and time of beginning and ending	RB 12:40	RE HS RB 1:40	RE 2:40			RB 5:35	RE 6:35				RB RE DNA	
Amounts of precipitation		—	—	—		—	—				T	
Cloudiness and other conditions	Clear			Clear			Partly Cloudy			Cloudy		
Sunset: Time, Character									4:13 Cloudy			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	SW	SW	S	SE	SE	W	S	S	SW	S	SW
Wind movement	13	22 SW 32	11	9	8	15	10	14	14	8	11	11

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	61	49	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .32 ins.

Total precipitation, midnight to midnight, .32 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 0

Prevailing direction S.

Total movement, 278

Average hourly velocity, 11.6

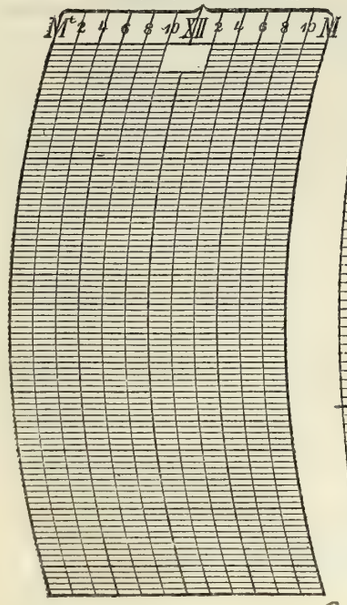
Maximum velocity,	Direction,	Time.
30	SW	Began 1:32 a.m.
Extreme velocity, 31	SW	1:35 a.m.

Relative humidity, 85 a. m. 84 p. m.

Reduced barometer, 29.80 a. m. 29.60 p. m.

River gage, 2.2 ft.

THERMOGRAPH.



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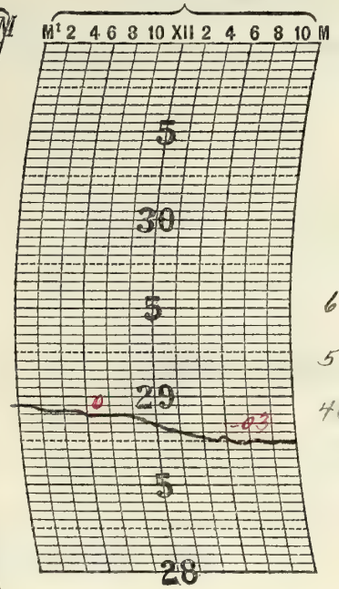

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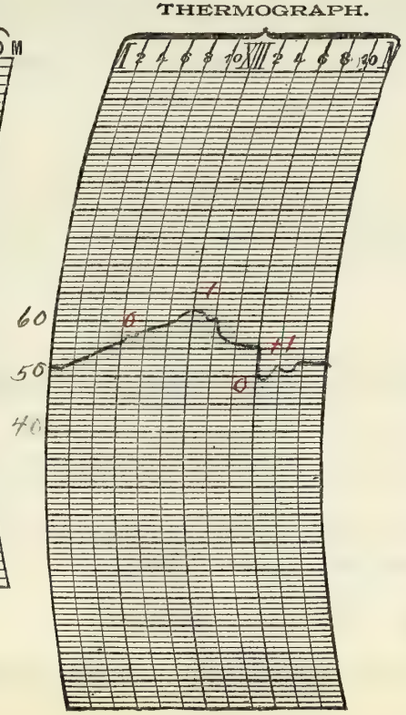


NOTES.

Three thunder storms occurred during the day at the following hours:

Began	Ended
12:25p	12:30p.
5:36p	5:55p
9:00p	10:00p.

The day was mild although dark and stormy with moderate winds toward evening.

Prepared by CAS.
Verified by P.M.G.

8—486

Form No. 1014—McU'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 5 1916, 191

Time (local standard), 90° mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	52	51	49	47	46	45	42	42	42	43	47	49	49	49	49	49	45	42	41	40	40	39	38
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	← Cloudy									× Pt Cloudy			× — Clear											→
Sunshine (in tenths of hours)		1					0	0	0	0	0	0	1.0	1.0	0.8	0	0					1		
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	13	15	14	15	16	20	16	17	18	21	15	23	25	24	21	20	19	20	20	18	16	13	13
Maximum velocities (exceeding 29 miles) direction and time														31 W 1:00	31 W 2:16									

Sunrise: Time, 6:51 Character, Cloudy

Sunset: Time, 4:13 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

	Maximum.	Minimum.	Mean.	Normal.
	53	38	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 4

Actual sunshine, hours, 2.8

Possible sunshine, hours, 9.4

Percentage of possible sunshine, 30

Prevailing direction SW.

Total movement, 430

Average hourly velocity, 17.9

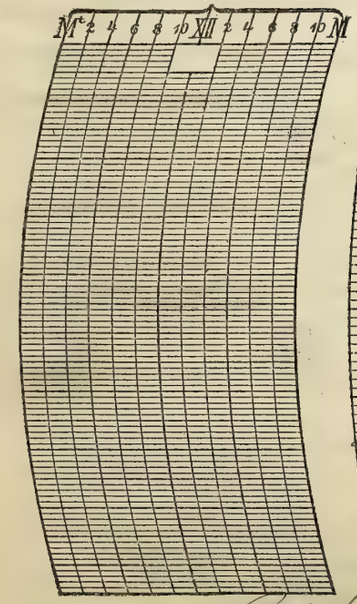
Maximum velocity,	Direction,	Time.
31	W	Began 1:00 pm
Extreme velocity, 32	W	1:02 pm

Relative humidity, 95 a. m. 48 p. m.

Reduced barometer, 29.74 a. m. 30.00 p. m.

River gage, 2.2 ft. ↓

THERMOGRAPH.



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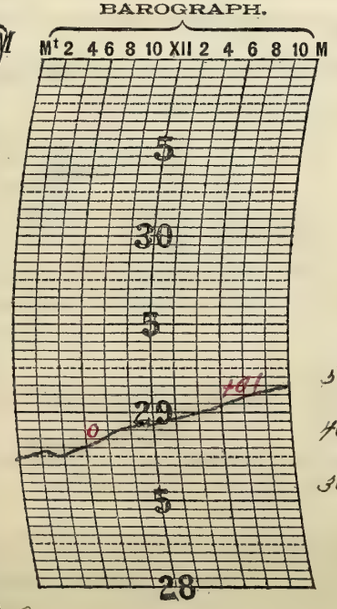
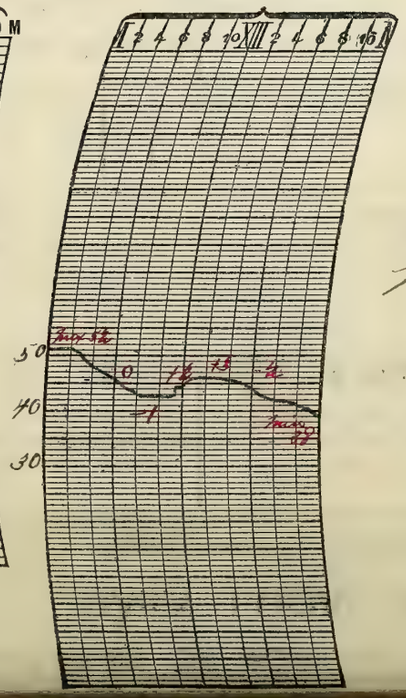


THERMOGRAPH.



NOTES.

The day opened cloudy, although it was mild, and cleared off during the morning resulting in a very pleasant day.

Prepared by C. O. S.

Verified by P. McE.

8—186

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 6 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	35	34	33	32	31	30	30	34	38	42	50
Sunshine (in tenths of hours)							.13 / 0	1.0 / 0	0.6 / 0.4	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	12	10	9	8	9	11	13	10	12	12	15

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	52	53	54	53	50	46	46	46	~~46~~ 45	~~45~~ 44	~~45~~ 44
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.1	0							
Wind direction	SW	SW	SW	SW	SW	S	S	SE	SE	SE	SE	SE
Wind movement	14	14	12	8	7	9	9	8	8	9	8	11

State of weather:
- Nature of precipitation and time of beginning and ending
- Amounts of precipitation
- Cloudiness and other conditions: Clear (A. M.); Clear (P. M.); Partly Cloudy

Sunrise: Time, 6:52; Character, Clear

Sunset: Time, 4:13; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

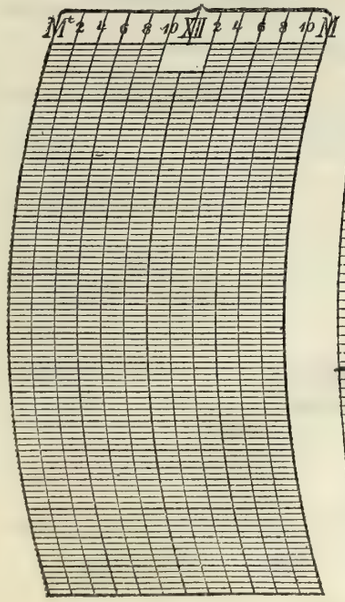
Maximum.	Minimum.	Mean.	Normal.
54	29	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10)
Actual sunshine, hours, 8.2
Possible sunshine, hours, 9.4
Percentage of possible sunshine, 87
Prevailing direction SW
Total movement, 250
Average hourly velocity, 10.4

Maximum velocity,	Direction,	Time.
20	SW	Began 11:22 AM
Extreme velocity, 25	SW	11:22 AM

Relative humidity, 86 a. m., 46 p. m.
Reduced barometer, 30.16 a. m., 30.17 p. m.
River gage, 2.6 ft.

THERMOGRAPH.



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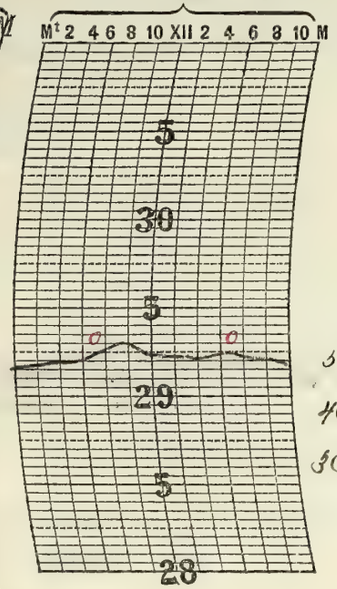

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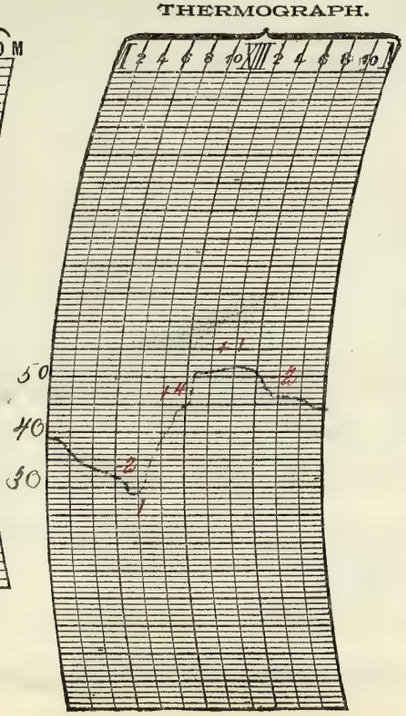


NOTES.

The day was clear till about 8:30 in the evening when it became partly cloudy. Moderate temperatures prevailed throughout the day

Prepared by CCS
Verified by J. M. L.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 7 1916, 191

Time (local standard), 90 mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44 ~~46~~	44 ~~46~~	44 ~~46~~	44 ~~46~~	44 ~~46~~	42 ~~43~~	41	41	44	47	50	52	53	54	55	55	53	52	52	52	53	54	54	53
State of weather: Nature of precipitation and time of beginning and ending				RB DNA	—	RE 6:00																		
Amounts of precipitation				—	—	—																		
Cloudiness and other conditions	?	—	—	—	Cloudy	—	—	—	—	—	—	—	—	—	—	*	Pt Cloudy	*	—	Clear	—	—	—	"
Sunshine (in tenths of hours)		1					0	0	0	0	0	0	0	0	0	0	0							
Wind direction	SE	SE	SE	SE	SE	SE	SE	E	SE	SE	SE	SE	S	SE	SE	S	SE	SE	S	S	S	S	S	S
Wind movement	11	11	10	14	12	6	6	6	7	8	9	9	9	10	10	11	7	10	10	10	10	11	10	7
Maximum velocities (exceeding 20 miles) direction and time																								

Sunrise: Time, 6:53 Character, Cloudy

Sunset: Time, 4:13 Character, Cloudy

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	55	40	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .06 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .06 inches.

Character of day, Cloudy Moon phase, 1

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 0

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 0

Prevailing direction SE

Total movement, 224

Average hourly velocity, 9.3

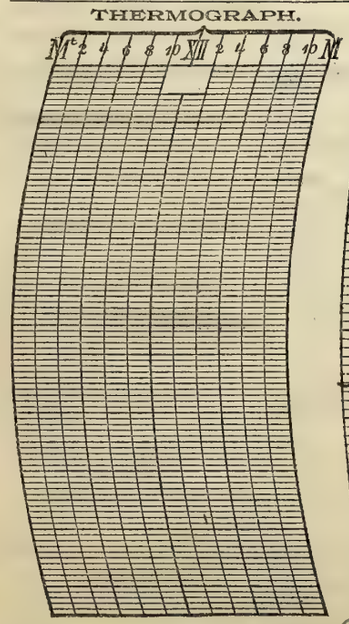
Maximum velocity,	Direction,	Time.
16	SE	Began 4:20 p.m.
Extreme velocity, 16	SE	4:22 p.m.

Relative humidity, 61 a. m. 87 p. m.

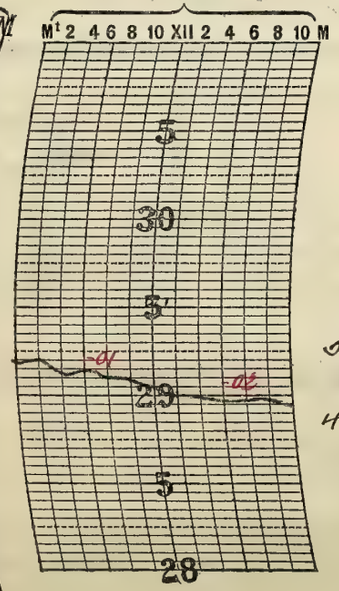
Reduced barometer, 30.07 a. m. 29.88 p. m.

River gage, 3.1 ft.

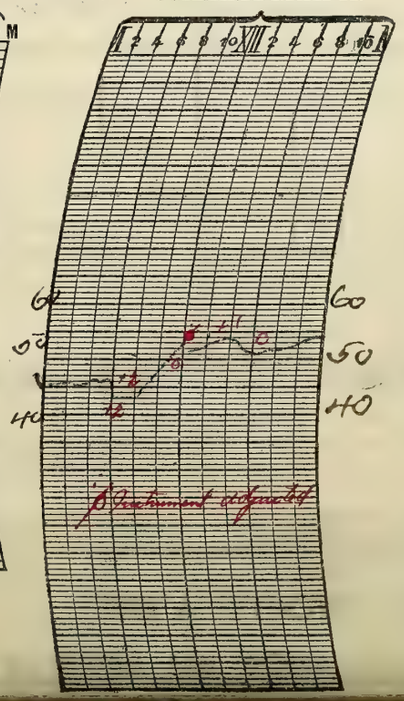
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Day opened cloudy with a light fall of rain in the early morning, ending at 6 o'clock.

Prepared by [illegible]

Verified by [illegible]

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 8 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	55	55	56	55	55	55	54	54	55	55	56
Nature of precipitation and time of beginning and ending							RB 6:33					RE 11:25
Amounts of precipitation							—	—	—	—	—	—
Cloudiness and other conditions	2			Cloudy								
Sunrise: Time, 6:54 Character, Cloudy												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	S	S	S	S	S	S	SE	S	S	S	S
Wind movement	8	9	11	9	11	13	15	12	15	19	18	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	51	46	44	43	43	42	39	36	33	31
Nature of precipitation and time of beginning and ending				RB 3:16 RE 3:50			RB 6:05 RE 6:35	RB 7:05		RE 9:40 RS-SLB 9:40 RS-SLB 9:50 RS-SLB 9:50 RS-SLB 10:00	SM B 10:00	
Amounts of precipitation				—			—	—		—	—	—
Cloudiness and other conditions				Cloudy								
Sunset: Time, 4:43 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	W	NW	NW	W	W	W	W	W	W
Wind movement	13	14	12	10	8	5	4	11	14	13	15	16

State of weather.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
57	31	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .18 ins.

Total precipitation, midnight to midnight, .39 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 0

Prevailing direction S

Total movement, 291

Average hourly velocity, 12.1

Maximum velocity, 22 Direction, W Time. Began 8:46 pm

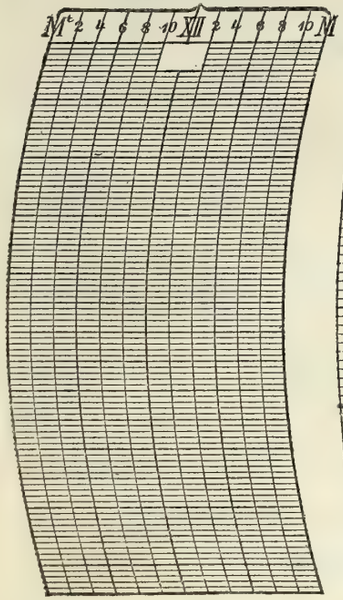
Extreme velocity, 25 - W 8:48 pm

Relative humidity, 91 a. m. 94 p. m.

Reduced barometer, 29.72 a. m. 29.62 p. m.

River gage, 2.7 ft.

THERMOGRAPH.



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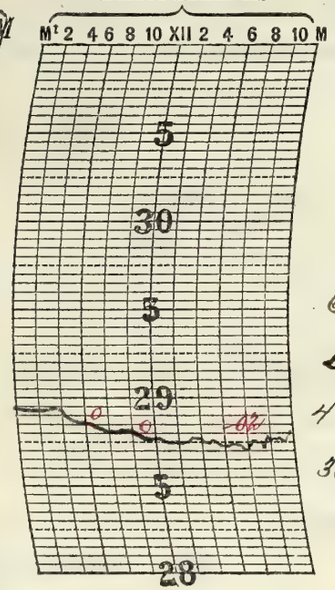
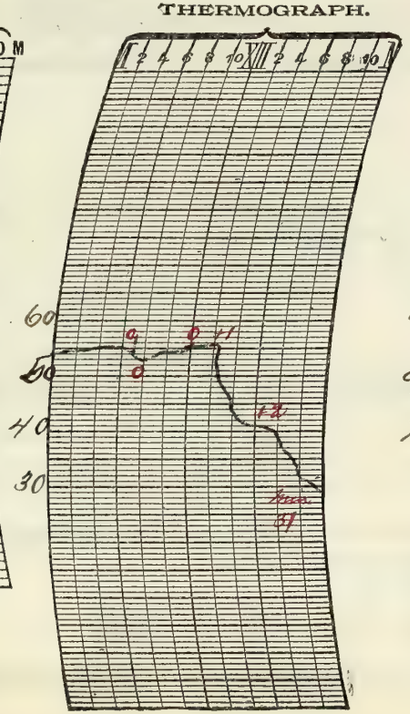


THERMOGRAPH.



NOTES.

X Estimated.

Thunderstorm; first thunder heard at 8:48 pm, last at 9.00 pm. A dark, gloomy and disagreeable day with showers throughout the day and turning to snow about 9:50 pm

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 9 1916, 191

Time (local standard), 75 mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	28	27	26	24	23	25	25	23	23	22	24
		S E DNA						S B 7:10	S E 8:10			
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—						—	—			
Cloudiness and other conditions	←	—	—	Cloudy	—	—	—	—	—	—	—	—
Sunrise: Time, Character	6:55 Cloudy											
Sunshine (in tenths of hours)		1					0	0	0	0	0	0.2
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	19	19	21	22	25	24	20	19	24	24	24	24
Maximum velocities (exceeding 29 miles) direction and time									33 SW 8:08			

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	27	27	27	27	25	25	25	24	24	24
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	—	—	Partly	—	—	—	Clear	—	—	—	—	→
Sunset: Time, Character									4:13 Clear			
Sunshine (in tenths of hours)	0.1	0.4	1.0	1.0 0	2.2 0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	22	22	19	20	16	15	15	15	14	13	13	13

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
31	22	26.	

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.

Snow on ground 7 p. m., 0.1 inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., .22 ins.; to 7 p. m.; 0.1 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Pt Cloudy Moon phase, Full 6:44 a

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 2.9

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 31

Prevailing direction SW

Total movement, 462

Average hourly velocity, 19.2

Maximum velocity, 33 Direction, SW Time. Began 8:08 AM

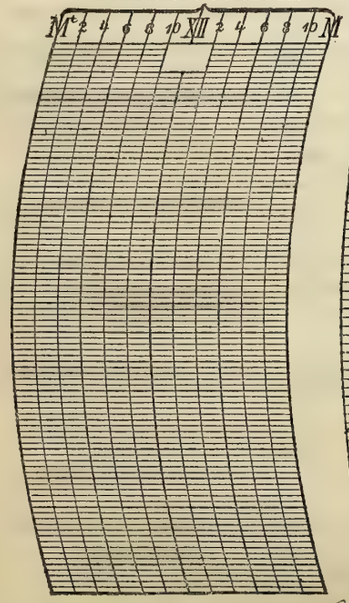
Extreme velocity, 35 — SW — 8:08 am

Relative humidity, 81 a. m. 75 p. m.

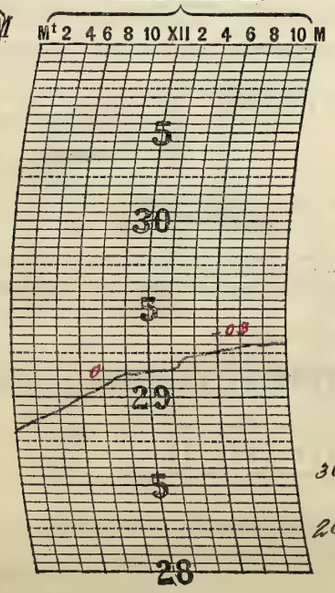
Reduced barometer, 29.95 a. m. 30.18 p. m.

River gage, 2.8 ft

THERMOGRAPH.



BAROGRAPH.



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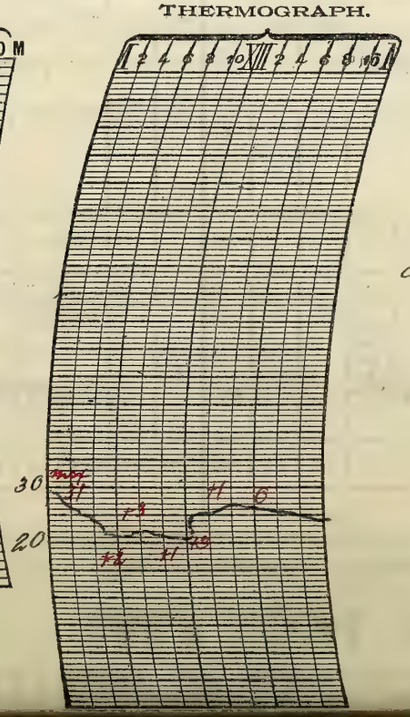


NOTES.

X Estimated.

ϕ For beginnings and endings see Dec 8, 1916.

Thunderstorm; thunder began at 4:45 PM and ended during night A.M.

Prepared by E. A. S.
Verified by P. M. D.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 10 1916, 191

Time (local standard), 90th mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	21	20	20	20	19	19	19	23	25	27	32	33	33	35	35	34	31	29	28	27	26	26	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear										Partly Cloudy					Cloudy			Clear					
Sunrise: Time, 6:55; Character, Clear																								
Sunset: Time, 4:13; Character, Cloudy																								
Sunshine (in tenths of hours)							.08 0	1.0 0	1.0 0	0.8 0.2	0.4	0.7	0.2	0.5	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	E	E	E	E	E	E	E	E
Wind movement	12	12	11	10	9	11	8	10	8	9	8	10	9	6	3	3	4	6	5	7	8	9	8	6
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum.	Minimum.	Mean.	Normal.
35	18	26	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Partly Cloudy Moon phase,

Average daily cloudiness (0–10) 5

Actual sunshine, hours, 49

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 53

Prevailing direction SW.

Total movement, 192

Average hourly velocity, 8.0

Maximum velocity,	Direction,	Time.
14	SW	Began 1:24 am

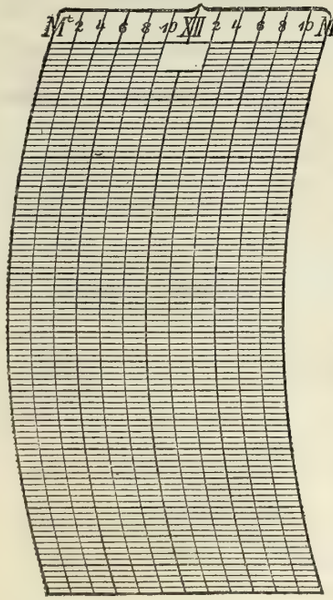
Extreme velocity, 14 — SW — 1:24 am

Relative humidity, 78 a. m. 94 p. m.

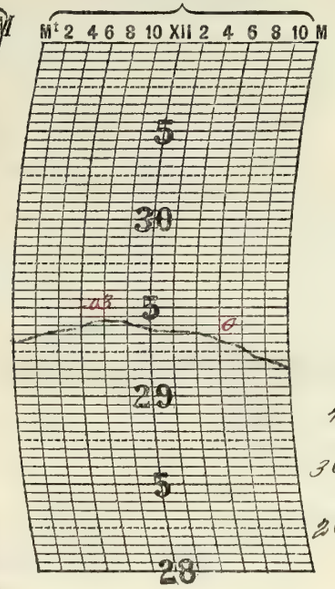
Reduced barometer, 30.34 a. m. 30.25 p. m.

River gage, 3.7 ft.

THERMOGRAPH.



BAROGRAPH.



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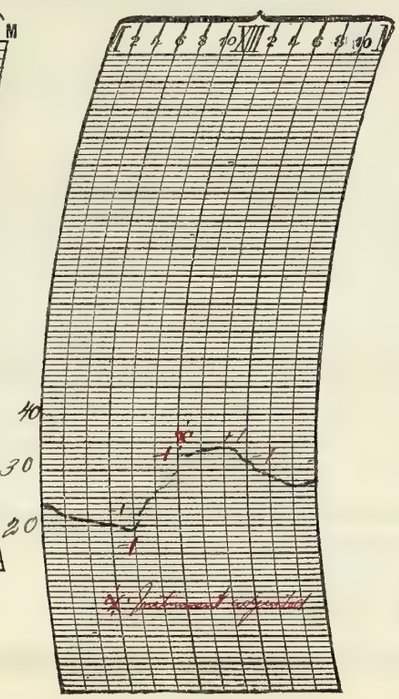


NOTES.

Day opened clear but began clouding up during the morning. The day as a whole was pleasant though cold.

Prepared by CAS

Verified by P. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 11 1916, 191

Time (local standard), 90 mer. — 1 hour slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	27	26	26	26	25	25	24	24	25	27	30	32	33	33	34	33	33	33	32	32	31	30	30	30
State of weather: Nature of precipitation and time of beginning and ending										Snow B 9:15														
Amounts of precipitation										—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions	←		Clear							x Hazy		Cloudy	→											
Sunrise: Time, 6:56 Character, Clear																								
Sunset: Time, 4:23 Character, Cloudy																								
Sunshine (in tenths of hours)							.07 0	0.5 0	0	0	0	0	0	0	0	0	0							
Wind direction	E	E	E	E	E	E	E	E	E	E	SE	S	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	7	11	9	6	5	6	6	4	4	3	3	5	4	6	11	12	11	11	10	12	11	11	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

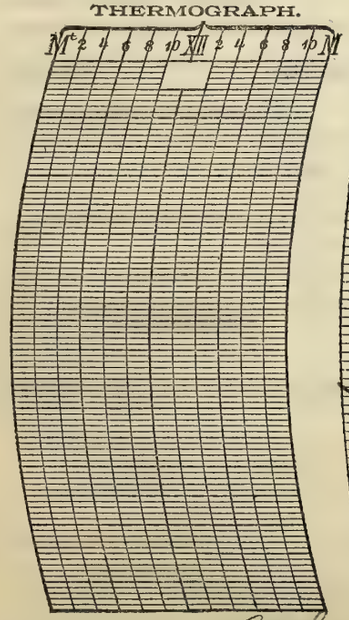
Maximum.	Minimum.	Mean.	Normal.
34	24	29	

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.
Snow on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10) 8
Actual sunshine, hours, 0.6
Possible sunshine, hours, 9.3
Percentage of possible sunshine, 6
Prevailing direction E & SW
Total movement, 157
Average hourly velocity, 7.8

	Maximum velocity,	Direction,	Time.
Extreme velocity,	15	SW	Began 8:35 pm
	15	SW	8:35 pm

Relative humidity, 87 a. m. 77 p. m.
Reduced barometer, 29.85 a. m. 29.69 p. m.
River gage, 3.4 ft.

THERMOGRAPH.



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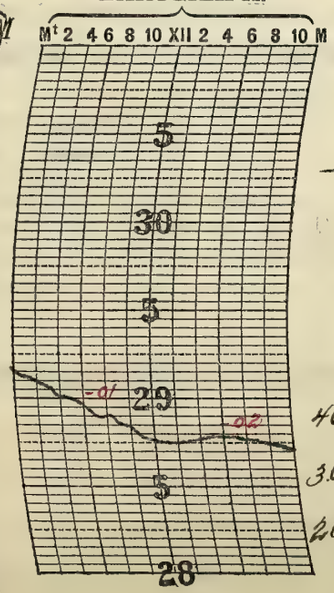

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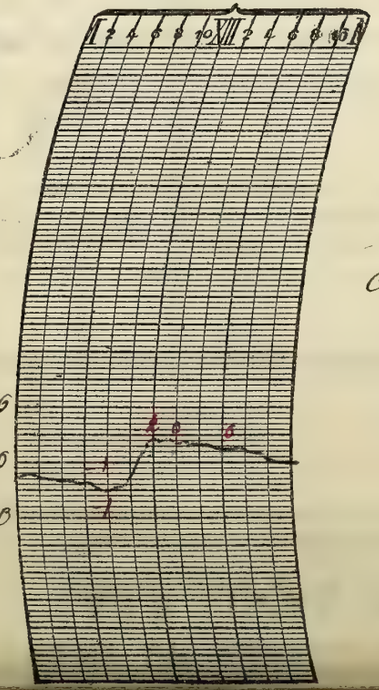


NOTES.

Estimated

Day opened clear but became cloudy in the morning and continued cloudy throughout the day. Snow began falling at 9:15 am and continued all day

Cold wave warning received at 9:37 am. Information disseminated by phone, newspapers, present cards, and maps.

Prepared by C. O. S.
Verified by R. McD.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 12 1916, 191

Time (local standard), 90th mer.

1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	29	28	28	28	27	25	24	25	26	28	28
									S m E 8:30			S m B 11:10
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—			—
Cloudiness and other conditions				Cloudy					x		Cloudy	
Sunrise: Time, 6:57 Character, Cloudy												
Sunshine (in tenths of hours)							0	0	0	0	0	0.5
Wind direction	SW	SW	SW	SW	W	W	NW	W	W	SW	SW	SW
Wind movement	8	11	11	9	11	10	11	9	11	12	15	18
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	25	24	22	21	21	20	19	19	19	19	19
				S m E 3:30				S m B 7:15				
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—					—	—	—	—	—
Cloudiness and other conditions			x	Cloudy		x	x	x	x	Cloudy		
Sunset: Time, 4:13 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	18	18	17	18	17	16	10	9	12	15	12	7
Maximum velocities (exceeding 29 miles) direction and time												

	Maximum.	Minimum.	Mean.	Normal.
Temperature	30	19	24	

Total depth of snow for 24 hours ending 7 p. m. 1.3 inches.

Snow on ground 7 p. m., 0.8 inches.

Total snowfall, midnight to midnight, 0.9 inches.

Precipitation to 7 a. m., .10 ins.; to 7 p. m., .03 ins.

Total precipitation, midnight to midnight, .08 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 9

Actual sunshine, hours, 0.5

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 5

Prevailing direction SW.

Total movement, 305

Average hourly velocity, 12.7

Maximum velocity, 23 Direction, SW Time. Began 3:07 pm

Extreme velocity, 23 — SW — 3:07 pm

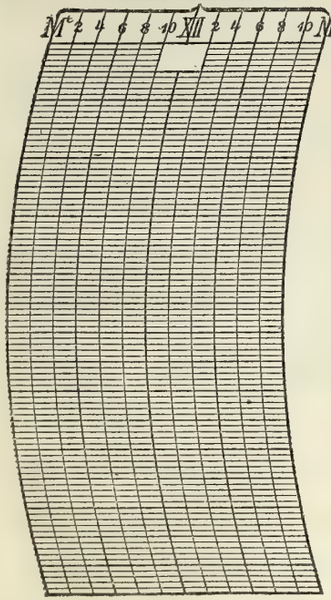
Relative humidity, 94 a. m., 79 p. m.

Reduced barometer, 29.68 a. m., 29.83 p. m.

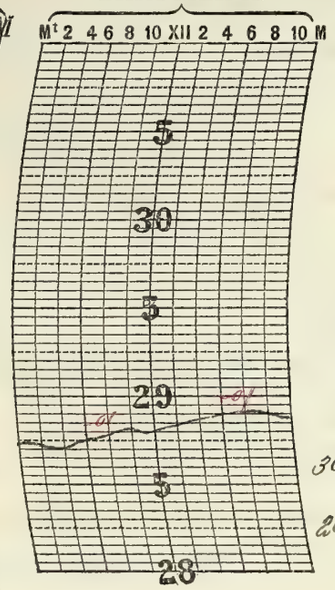
River gage, 3.4 ft.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

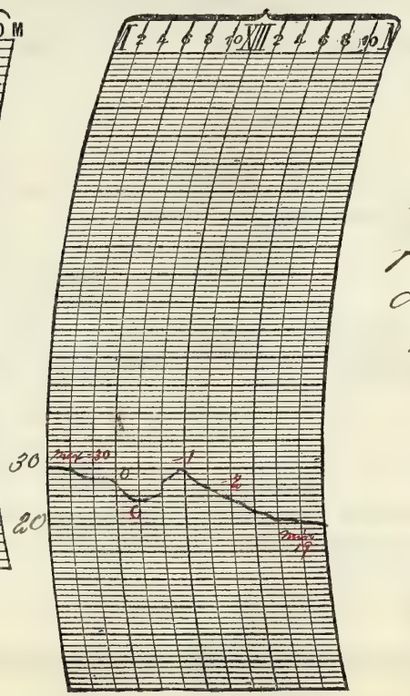
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Estimated

Snow which began on the date previous ended at 8:30 am. The day was cloudy with snow falling the greater part of the day and low temperatures prevailed.

Prepared by CCS

Verified by P. McD.

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 13 1916, 191

Time (local standard), 90th mer.

1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	19	19	19	19	18	18	17	17	17	16	15
Nature of precipitation and time of beginning and ending									S^m E 8:10 S^d B 8:10			
Amounts of precipitation	–	–	–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions	Cloudy											
Sunrise: Time, 6:58 Character, Cloudy												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW
Wind movement	8	4	4	3	3	5	8	11	14	18	24	27
Maximum velocities (exceeding 29 miles) direction and time											30 SW 10:52	32 SW 11:10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	18	19	20	20	18	18	16	12	11	11	10	8
Nature of precipitation and time of beginning and ending	S^d E 12:25		S^d B 2:13	S^d E 3:26								
Amounts of precipitation	–		–	–								
Cloudiness and other conditions	Pt Cloudy				Clear							
Sunset: Time, 4:13 Character, Cloudy												
Sunshine (in tenths of hours)	0.2	0.4	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	27	26	21	21	17	16	15	15	15	12	14	14
Maximum velocities (exceeding 29 miles) direction and time	30 SW 12:22											

State of weather.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

Maximum.	Minimum.	Mean.	Normal.
20	8	14	

Total depth of snow for 24 hours ending 7 p. m., 0.8 inches.

Snow on ground 7 p. m., 1.6 inches.

Total snowfall, midnight to midnight, 0.6 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, 0.6 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 0.6

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 7

Prevailing direction SW.

Total movement, 342

Average hourly velocity, 14.2

Maximum velocity,	Direction,	Time.
32	SW	Began, 11:10 am

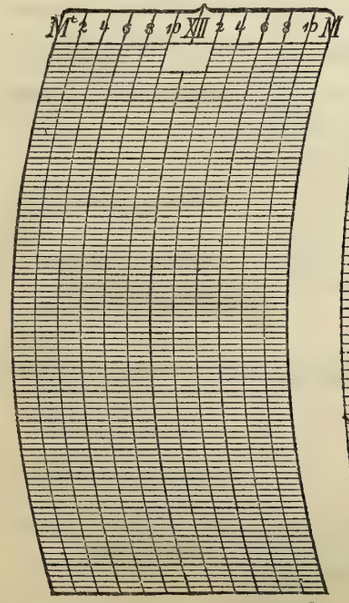
Extreme velocity, 35 ~ SW ~ 11:13 am

Relative humidity, 90 a. m. 60 p. m.

Reduced barometer, 29.78 a. m. 30.16 p. m.

River gage, 2.9 ft.

THERMOGRAPH.



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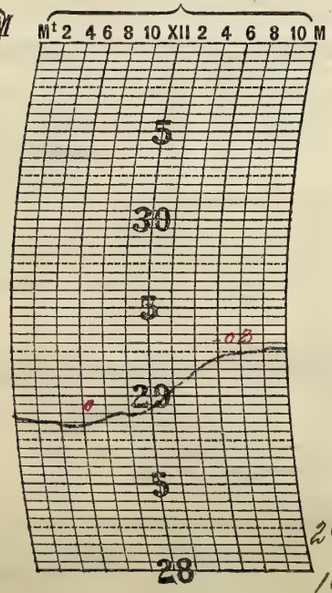

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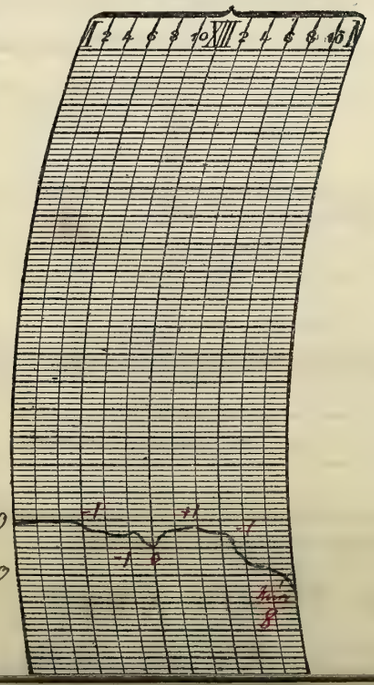


NOTES.

A cold blustery day with snow flurries during the day.
Sidewalks and streets icy.

Prepared by [illegible]
Verified by P. McD.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 14 1916, 191

Time (local standard), 90th mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	6	5	4	4	4	4	4	5	8	9	10	11	11	12	12	9	8	8	7	5	5	5	4	4
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions					Clear				~~Partly Cloudy~~				~~Clear~~	~~Partly Cloudy~~					~~Partly Cloudy~~	Clear				
Sunshine (in tenths of hours)							0	0	0	0	0.4	0.4	1.0	0.9	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW
Wind movement	14	15	14	13	12	12	13	13	13	16	16	15	18	17	13	11	9	10	8	8	7	8	7	10

Sunrise: Time, 6:58; Character, Cloudy

Sunset: Time, 4:13; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
12	4	8	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 1.4 inches.

Total snowfall, midnight to midnight, 0 inches. ✓

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Partly Cloudy Moon phase,

Average daily cloudiness (0-10) 5 ✓

Actual sunshine, hours, 2.7

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 29

Prevailing direction S.W.

Total movement, 292

Average hourly velocity, 12.2

Maximum velocity, 22 Direction, SW Time. Began 12:58 pm

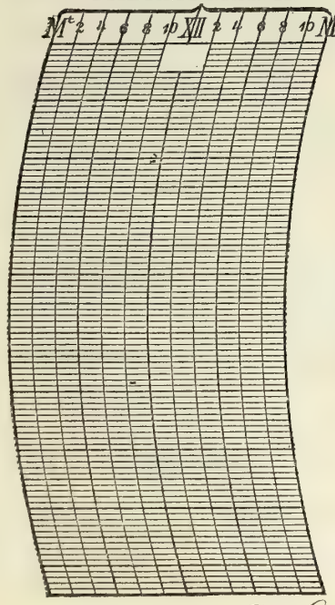
Extreme velocity, 22 - SW — 12:58 pm

Relative humidity, 89 a. m. 61 p. m.

Reduced barometer, 30.22 a. m. 30.17 p. m.

River gage, 2.1 ft.

THERMOGRAPH.



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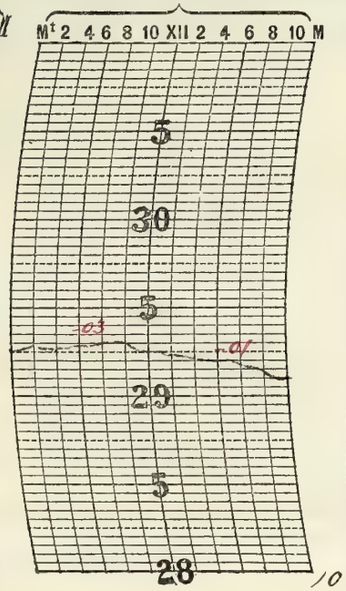

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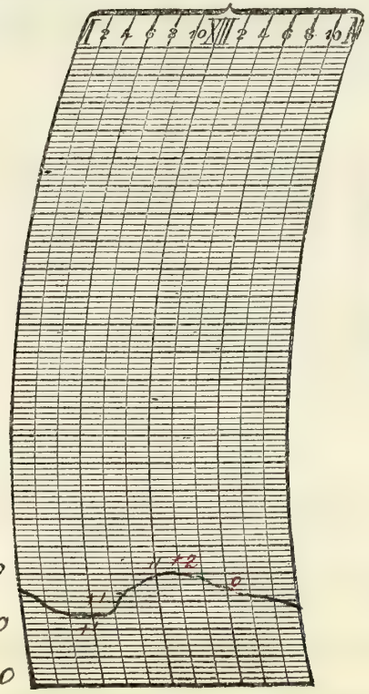


NOTES.

Sidewalks and streets icy. A very cold day.

Prepared by C. A. S.

Verified by P. M. O.

8—489

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 15 1916, 191

Time (local standard), 90° mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	3	2	1	0	-1	-2	-3	-1	2	6	6	9	11	13	14	12	8	6	6	3	3	2	1	0
													SDB 12:15				SDE 4:56							
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation													—	—	—	—	—							
Cloudiness and other conditions	←				Clear			×		Partly Cloudy		×		Cloudy			×	Partly Cloudy	×	Clear		×	Partly Cloudy	?
	Sunrise: Time, 6:59 Character, Clear																				Sunset: Time, 4:14 Character, Cloudy			
Sunshine (in tenths of hours)							.02 0	.05 0	0	0	0	0	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	8	7	8	9	9	11	12	16	17	19	22	23	21	18	17	24	23	19	22	19	17	18	19
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
14	-3	6	

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.

Snow on ground 7 p. m., 1.2 inches.

Total snowfall, midnight to midnight, .01 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.1 ins.

Total precipitation, midnight to midnight, 0.1 inches.

Character of day, Partly Cloudy Moon phase,

Average daily cloudiness (0-10) 6

Actual sunshine, hours, 0.5

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 5

Prevailing direction SW

Total movement, 387

Average hourly velocity, 16.1

Maximum velocity, 29 Direction, SW Time. Began 4:38 pm

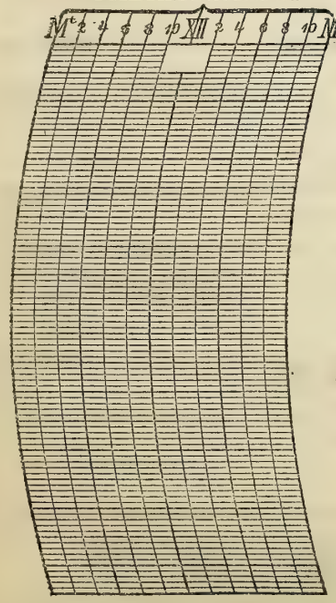
Extreme velocity, 34 — SW — 4:40 pm

Relative humidity, 93 a. m. 60 p. m.

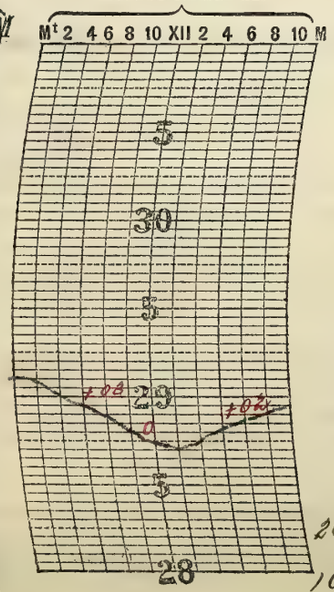
Reduced barometer, 29.94 a. m. 29.84 p. m.

River gage, 2.5 ft.

THERMOGRAPH.



BAROGRAPH.



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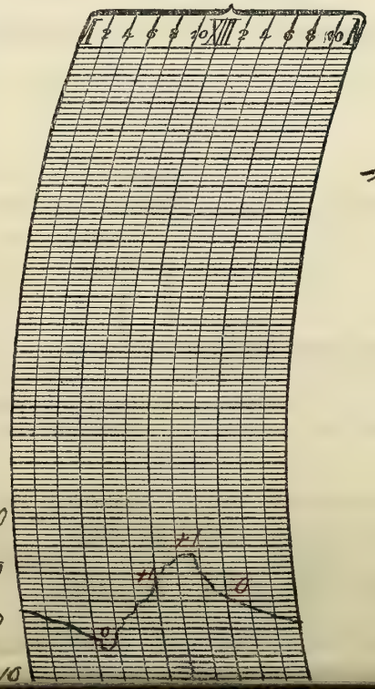


NOTES.

Pavements & walks icy.
A very cold disagreeable day with moderate south and southwest winds

Prepared by [illegible]
Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 16 1916, 191

Time (local standard), 90° mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	0	-1	-1	-1	-1	-2	0	3	4	6	8	12
										SW 9:20		SE 11:15
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation										—	—	—
Cloudiness and other conditions	?	Cloudy										
Sunrise: Time, 7:00 Character, Cloudy												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	S	S	SE
Wind movement	17	16	16	13	9	11	11	13	13	13	13	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	14	15	17	19	20	20	22	27	27	25	24	21
											SW 10:00	SE DHP
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation											T	T
Cloudiness and other conditions	Cloudy											
Sunset: Time, 4:14 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	SE	SE	SE	SE	SE	SE	SW	W	W	W	W
Wind movement	13	15	11	9	8	6	6	10	20	22	20	17

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
27	-2	12	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow on ground 7 p. m., 1.2 inches.

Total snowfall, midnight to midnight, .02 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .02 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 0

Prevailing direction SE

Total movement, 316

Average hourly velocity, 13.2

Maximum velocity, 22 Direction, W Time. Began 11:45 pm

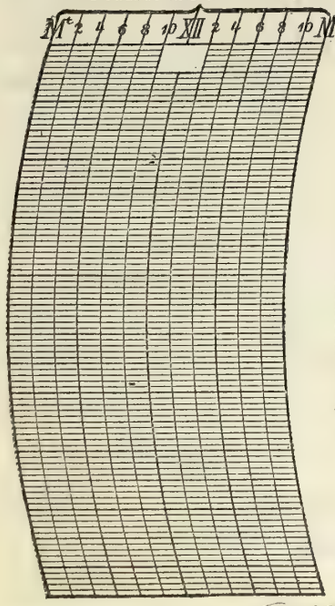
Extreme velocity, 30 - W 11:45 pm

Relative humidity, 80 a. m. 66 p. m.

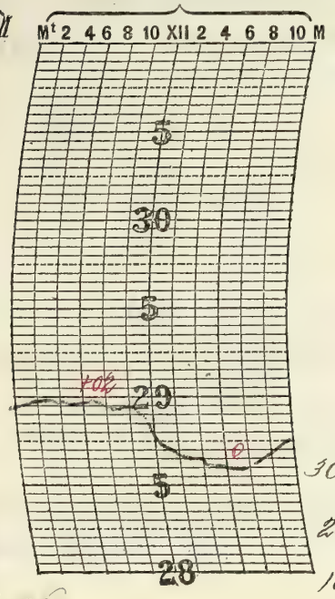
Reduced barometer, 29.96 a. m. 29.52 p. m.

River gage, 2.5 ft

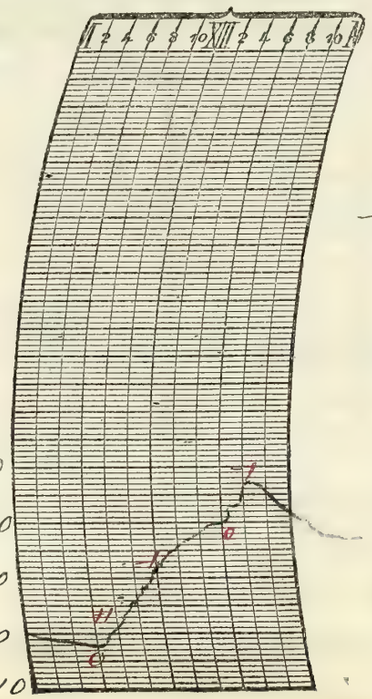
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special observation taken at 2:20 pm account falling pressure. A cloudy and very cold day. Streets and sidewalks somewhat icy, especially in spots.

Prepared by CCS

Verified by O. M. E.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 17 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	19	17	17	17	17	17	15	15	17	18	18
State of weather: Nature of precipitation and time of beginning and ending	SP8 DNA									SPE 9.35		
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—		
Cloudiness and other conditions					Cloudy						Clear	
Sunshine (in tenths of hours)								0	0	0	0.5	0.8
Wind direction	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	17	15	15	14	13	13	13	14	12	13	14	15

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	20	20	20	18	17	16	15	14	14	12	11
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	0.6	0	0	0	0							
Wind direction	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW	NW
Wind movement	14	12	9	7	8	8	8	7	6	6	6	5

Sunrise: Time, 7:01; Character, Cloudy

Sunset: Time, 4:14; Character, Cloudy

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
21	11	16	

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.

Snow on ground 7 p. m., 0.9 inches.

Total snowfall, midnight to midnight, 0.1 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0.01 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Partly Cloudy. Moon phase, Last Quarter 12:06 am

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 1.9

Possible sunshine, hours, 9.5

Percentage of possible sunshine, 21

Prevailing direction SW

Total movement, 266

Average hourly velocity, 11.1

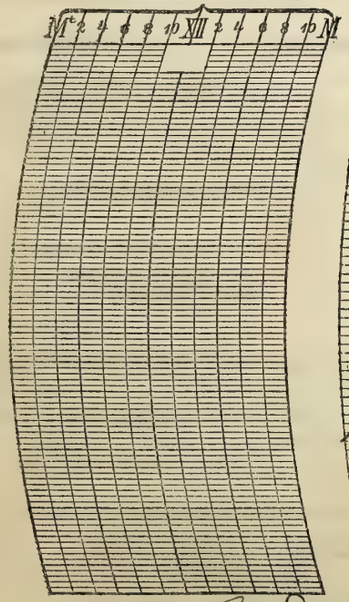
Maximum velocity,	Direction,	Time.
24	W	Began 12:12 am
Extreme velocity, 24	W	12:12 am

Relative humidity, 87 a. m., 70 p. m.

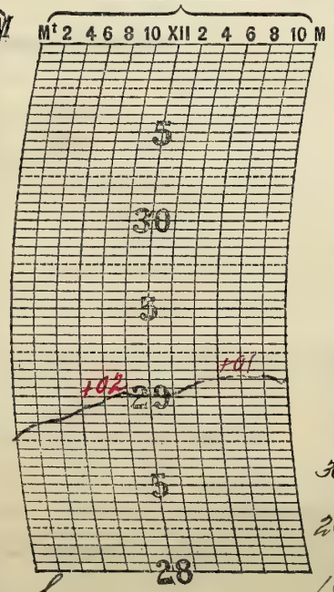
Reduced barometer, 29.93 a. m., 30.09 p. m.

River gage, 2.5 ft.

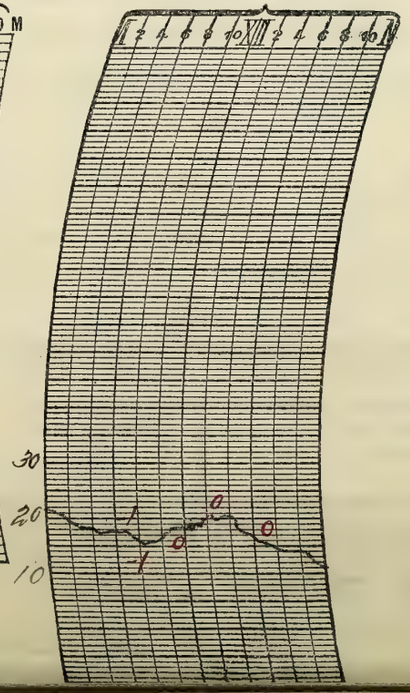
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Not quite so cold during the forenoon, but weather rather raw and disagreeable. Parts of streets and sidewalks slippery owing to packed snow.

Prepared by C. D. S.
Verified by C. M. G.

Form No. 1014—Met. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 18 1916, 191

Time (local standard), 90° mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	10	9	8	8	7	7	8	9	10	11	13	14	16	15	15	14	11	9	8	7	5	4	2	2
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	←		Clear					→ Clear							Cloudy									→
Sunrise: Time, 7:01 Character, Cloudy																					Sunset: Time, 4:15 Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0	0	0	0.2	0	0	0	0							
Wind direction	W	SW	SW	W	SW	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW	SW
Wind movement	4	4	4	4	6	6	5	5	6	7	9	10	10	8	11	12	11	11	10	9	8	7	8	7
Maximum velocities (exceeding 22 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
16	2	9	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0.5 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 8

Actual sunshine, hours, 0.2

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 2

Prevailing direction W.

Total movement, 182

Average hourly velocity, 7.6

Maximum velocity, 12 Direction, W Time. Began 5:24 pm

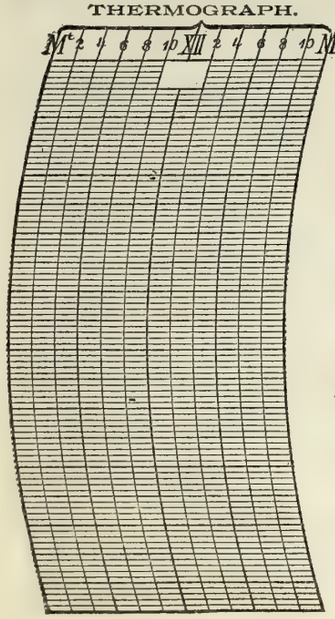
Extreme velocity, 12 — W — 5:24 pm

Relative humidity, 81 a. m. 76 p. m.

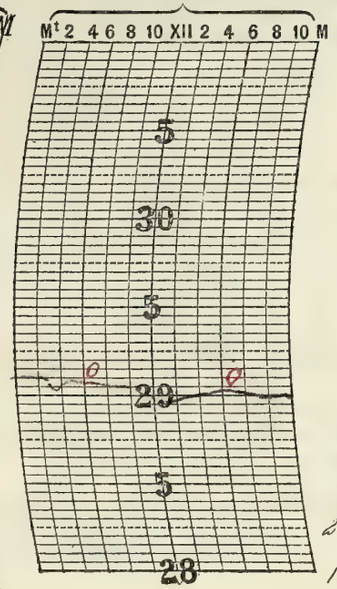
Reduced barometer, 30.03 a. m. 29.28 p. m.

River gage, 2.2 ft.

THERMOGRAPH.



BAROGRAPH.



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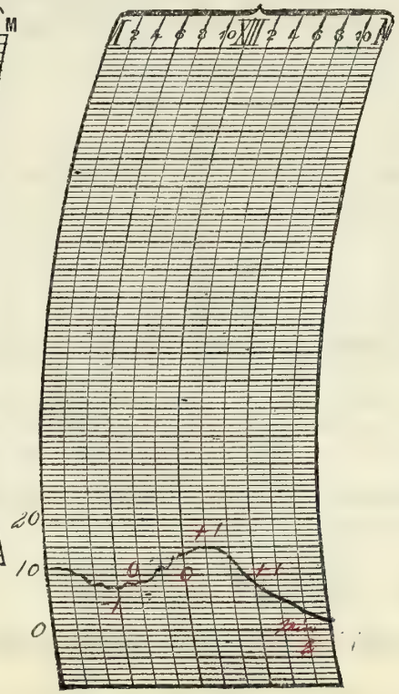


NOTES.

Continued cold and disagreeable weather

Prepared by E. A. S.

Verified by P. M. O.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 19 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	2	2	2	6	8	9	10	11	14	17	19	20	22	22	25	25	25	25	25	26	26	25	27	27
						5:45																9:15		
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation						—	—	—	—	—	—	—	—	—										
Cloudiness and other conditions						Cloudy										Cloudy								
Sunrise: Time, 7:02 Character, Cloudy																					Sunset: Time, 4:15 Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	S	S	SE	SE	SE	SE	SE	SE	S	S	S	S	S	S	S	SE	SE	S	S	S	NW	S
Wind movement	8	8	7	8	8	9	8	10	12	13	16	17	15	12	11	8	9	8	7	6	4	4	5	3
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
27	2	14	

Total depth of snow for 24 hours ending 7 p. m., 2.8 inches.

Snow on ground 7 p. m., 3.1 inches.

Total snowfall, midnight to midnight, .24 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., .24 ins.

Total precipitation, midnight to midnight, .24 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 0

Prevailing direction S

Total movement, 216

Average hourly velocity, 9.0

Maximum velocity, 19 Direction, S Time. Began 10:32 am

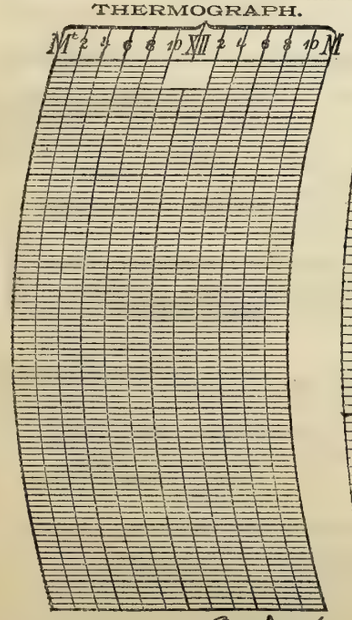
Extreme velocity, 20 — S — 10:32 Am

Relative humidity, 91 a. m. 91 p. m.

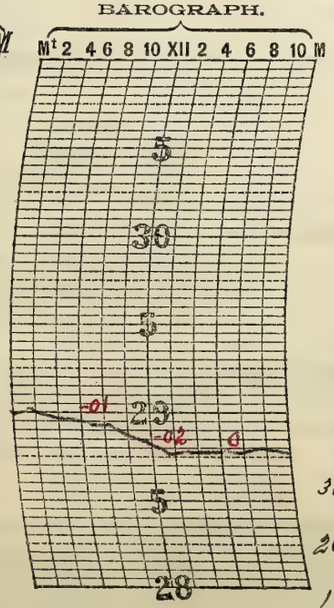
Reduced barometer, 29.84 a. m. 29.72 p. m.

River gage, 1.9 Ft.

THERMOGRAPH.



BAROGRAPH.



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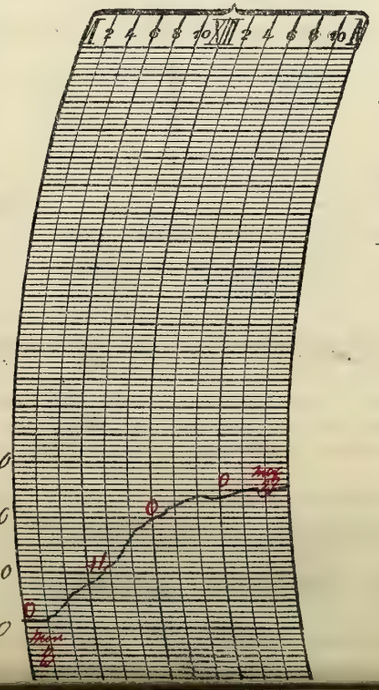


NOTES.

Cold wave warning received at 9:15 pm. It announced a fall of 20° or more by Wednesday morning. The information was telephoned to the transportation companies, Express Companies, newspapers, and telephone company.

Prepared by C.O.S.

Verified by P.M.H.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 20 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	27	25	23	23	22	21	20	20	20	20	21	21	22	22	23	21	20	18	19	18	18	18	18	18
State of weather: Nature of precipitation and time of beginning and ending	S^d B ONA																							
Amounts of precipitation	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cloudiness and other conditions	Cloudy												Cloudy											
Sunrise: Time, 7:02 Character, Cloudy																					Sunset: Time, 4:15 Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	W	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	NW	NW	NW
Wind movement	4	4	4	5	4	7	7	8	9	9	9	10	11	8	10	9	11	11	9	9	7	7	6	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum.	Minimum.	Mean.	Normal.
27	18	22	

Total depth of snow for 24 hours ending 7 p. m., 1.8 inches.

Snow on ground 7 p. m., 4.9 inches.

Total snowfall, midnight to midnight, *1.2 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., .09 ins.

Total precipitation, midnight to midnight, *.12 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 0

Prevailing direction N.

Total movement, 184

Average hourly velocity, 7.7

Maximum velocity, 12 Direction, N Time. Began 12:32 pm

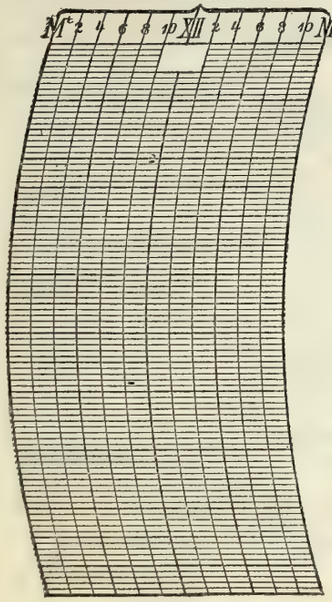
Extreme velocity, 12 — N — 12:32 pm

Relative humidity, 92 a. m. 94 p. m.

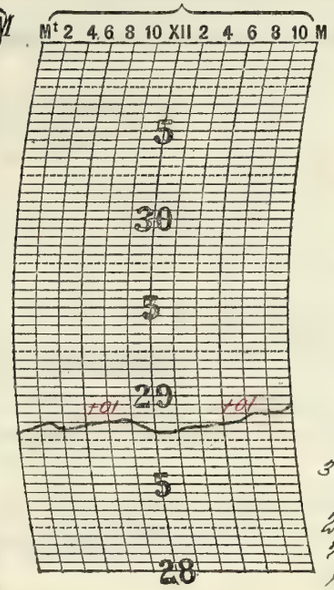
Reduced barometer, 29.28 a. m. 29.82 p. m.

River gage, 2.1 ft.

THERMOGRAPH.



BAROGRAPH.



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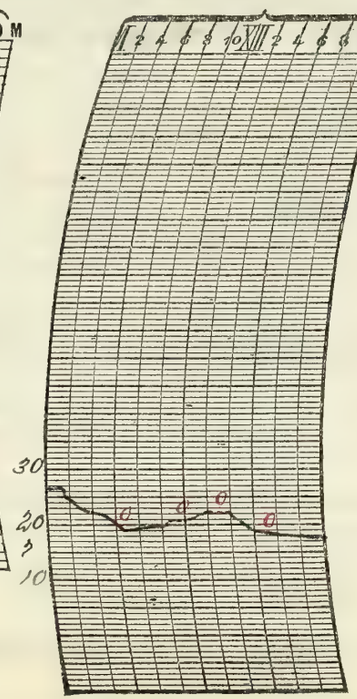


NOTES.

* Estimated

Cold wave warning received in the am forecast at 9:40. It was published on all cards and maps and was disseminated by telephone & the newspapers and all parties interested.

The snow which began in early morning continued throughout the day and night

Prepared by C. C. E.

Verified by C. M. G.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 21 1916, 191

Time (local standard), 90th mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	17	17	15	15	13	13	13	13	15	17	20	23	24	24	24	24	23	22	21	21	19	18	19	19
								5th E 7:05													3rd B 8:20		5th E 10:50	
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	—	—	—	—	—	—	—	—													—	—	—	
Cloudiness and other conditions	Cloudy												x Pt Cloudy				x Cloudy							
Sunrise: Time, 7:03 Character, Cloudy																					Sunset: Time, 4:16 Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0	0	0.5	0.4	0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	N	N	NW	NW	N	N	N	N	N	N	N
Wind movement	7	5	5	5	5	6	5	6	5	6	6	6	6	7	6	4	6	6	9	9	8	8	9	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
24	13	18	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow on ground 7 p. m., 4.3 inches.

Total snowfall, midnight to midnight, 0.3 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .03 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 0.6

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 7

Prevailing direction NW.

Total movement, 155

Average hourly velocity, 6.5

Maximum velocity,	Direction,	Time.
13	N	Began 11:05 pm

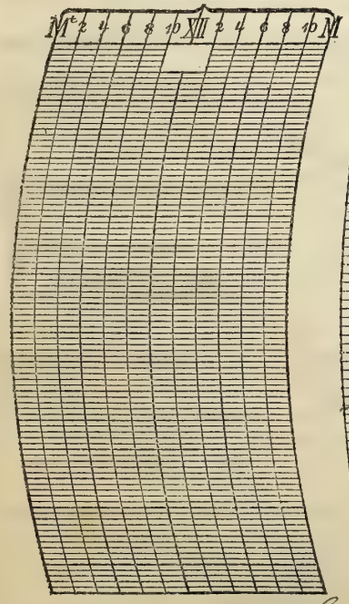
Extreme velocity, 13 N 11:05 pm

Relative humidity, 92 a. m., 68 p. m.

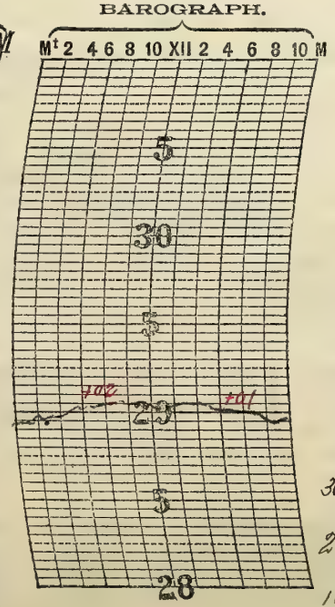
Reduced barometer, 30.03 a. m., 29.99 p. m.

River gage, 2.1 ft.

THERMOGRAPH.



BAROGRAPH.



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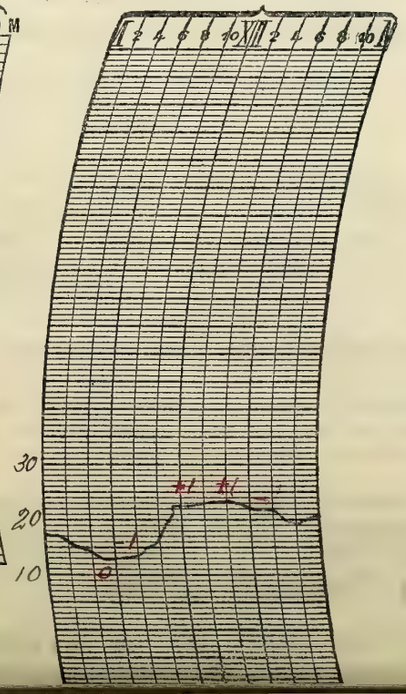


NOTES.

Estimated.

A cold and cloudy day with snow in the early morning and at night.

Prepared by [illegible]

Verified by [illegible]

Form No. 1014—Met. R.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) DEC 22 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	19	18	16	15	18	18	18	18	19	19	19	19	18	17	14	13	13	9	8	8	7	7	7
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Cloudy								Pt Cloudy				Clear											
Sunrise: Time, 7:03; Character, Cloudy																					Sunset: Time, 4:16; Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0	0.2	0.5	1.0	1.0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	W	W	W	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S	S
Wind movement	9	14	15	14	11	13	14	11	11	11	12	13	13	14	13	12	9	9	9	9	10	10	11	11
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum.	Minimum.	Mean.	Normal.
20	7	14	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow on ground 7 p. m., 3.9 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 2.7

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 29

Prevailing direction S. SW. + NW.

Total movement, 278

Average hourly velocity, 11.6

Maximum velocity, 21 Direction, NW Time. Began 6:18 am

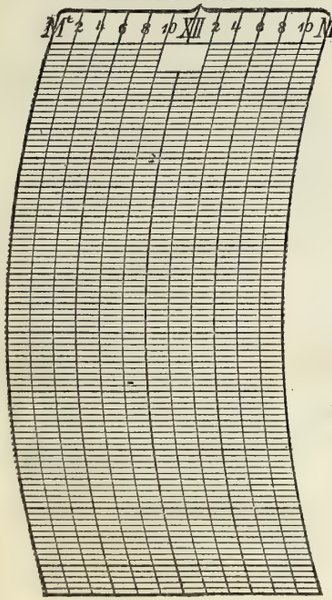
Extreme velocity, 24 — NW — 6:13 am

Relative humidity, 75 a. m. 55 p. m.

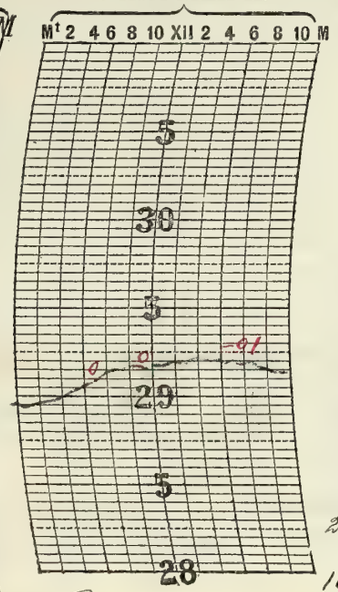
Reduced barometer, 30.05 a. m. 30.15 p. m.

River gage, 1.9 ft

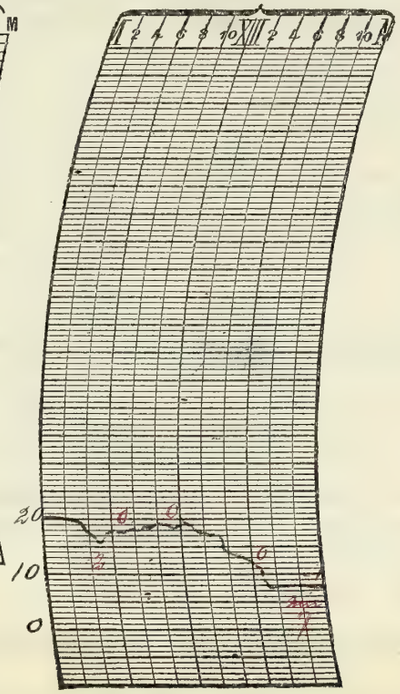
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Streets and walks icy.
Day was partly cloudy + cold.

Prepared by E. C. S.
Verified by P. M. A.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 23 1916, 191

Time (local standard), 90th mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	7	8	13	13	12	12	12	12	13	15	20	24	25	26	27	27	26	25	23	21	17	18	11	10
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear												Clear											
Sunshine (in tenths of hours)	Sunrise: Time, 7:04; Character, Clear							.93 0	1.0 0	1.0 0	1.0 0	1.0 0	✗ 1.0	✗ 1.0	✗ 1.0	✗ 1.0	✗ .25 0				Sunset: Time, 4:17; Character, Clear			
Wind direction	SW	SW	SW	S	S	S	S	S	S	S	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	S	SE	SE	NE
Wind movement	9	9	11	10	9	10	10	9	9	11	10	9	7	8	7	6	4	3	2	3	2	4	4	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
27	7	17	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 3.8 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10) FEW

Actual sunshine, hours, 9.2

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 100

Prevailing direction SW.

Total movement, 171

Average hourly velocity, 7.1

Maximum velocity,	Direction,	Time.
14	S	Began 12:20am

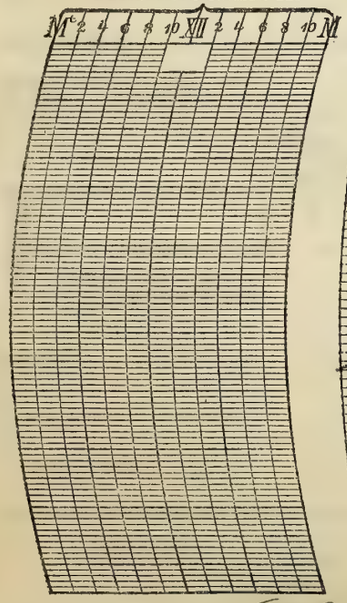
Extreme velocity, 14 — S — 12:20am

Relative humidity, 76 a. m., 66 p. m.

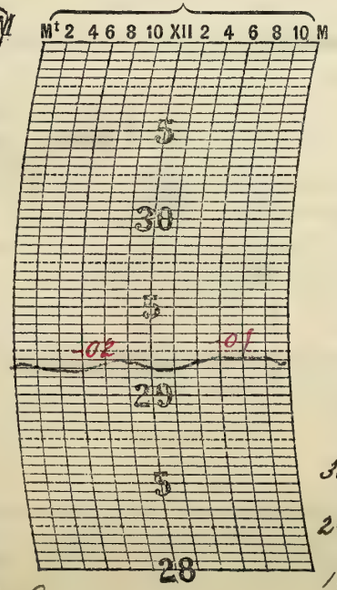
Reduced barometer, 30.09 a. m., 30.16 p. m.

River gage, 1.9 ft.

THERMOGRAPH.



BAROGRAPH.



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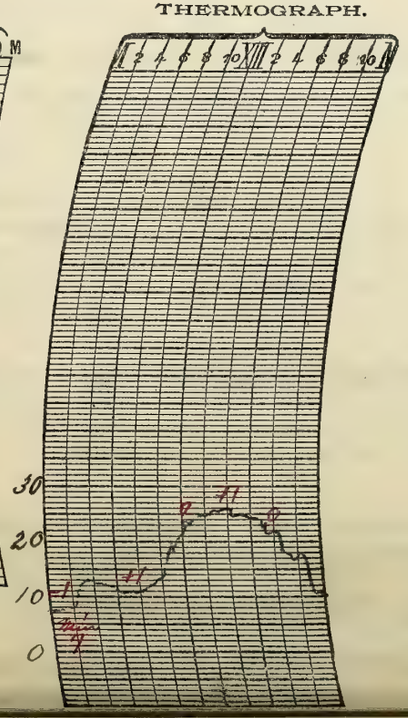


NOTES.

✗ Eye observations.

Prepared by E. A. S.
Verified by P. McA.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Sunday, (Date) DEC 24 1916, 191

Time (local standard), 90th mer. — 1 hours slower than 75th meridian time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	15	11	11	15	14	17	17	19	20	22	25	29	31	34	36	37	37	35	35	33	33	31	29	27
State of weather: Nature of precipitation and time of beginning and ending									S^m B 8:30			S^m E 11:35	S^m B 12:30	S^m E 1:45				R B 5:15 R E 5:45						
Amounts of precipitation									—	—	—	—	—	—				—						
Cloudiness and other conditions	?	—	—	Cloudy					—	—	—	—	—	—	—	—	Cloudy				—	—	—	?
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	SE	NE	NE	E	E	E	E	E	E	E	SE	SE	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	2	4	10	6	9	6	9	10	9	9	8	10	10	13	18	19	22	25	25	27	26	24	22	18
Maximum velocities (exceeding 29 miles) direction and time																				33 SW 7:53		31 SW 9:07		

Sunrise: Time, 7:04 Character, Cloudy

Sunset: Time, 4:18 Character, Cloudy

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum.	Minimum.	Mean.	Normal.
	37	10	24	

Total depth of snow for 24 hours ending 7 p. m., 0.7 inches.

Snow on ground 7 p. m., 3.6 inches.

Total snowfall, midnight to midnight, 0.5 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .05 ins.

Total precipitation, midnight to midnight, .05 inches.

Character of day, Cloudy Moon phase, NEW-2:31 pm

Average daily cloudiness (0–10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 0

Prevailing direction SW.

Total movement, 341

Average hourly velocity, 14.2

Maximum velocity,	Direction,	Time.
33	SW	Began 7:33 pm

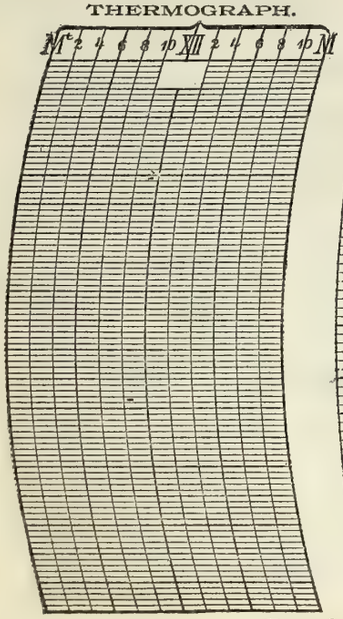
Extreme velocity, 34 — SW — 7:33 pm

Relative humidity, 84 a. m., 74 p. m.

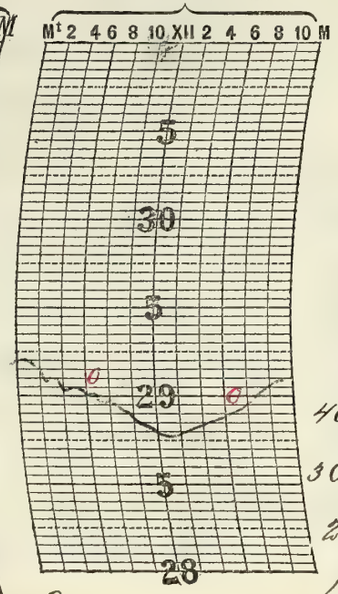
Reduced barometer, 29.92 a. m., 29.86 p. m.

River gage, 2.6 ft.

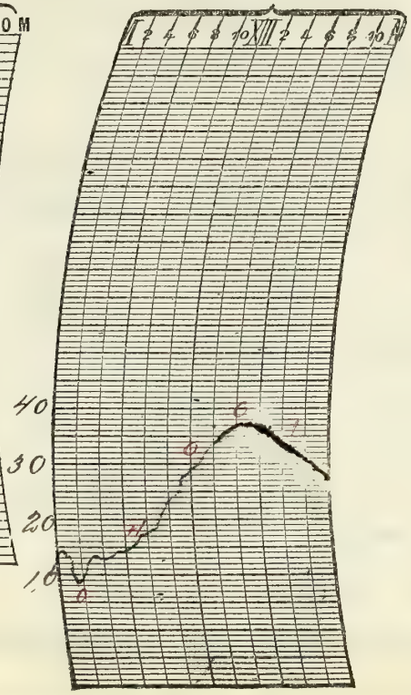
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy, slushy and unpleasant. Much snow disappeared by melting from downtown sections.

Prepared by CCS

Verified by PMcA

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) DEC 25 1916, 191

Time (local standard), 90 mer.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	25	24	22	20	19	18	18	20	21	23	24	25	26	26	25	22	22	22	22	22	22	23
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	9				Clear				x Cloudy x						Cloudy									
Sunrise: Time, 7:05 Character, Clear																					Sunset: Time, 4:18 Character, Cloudy			
Sunshine (in tenths of hours)								.9 0	.5 0	0	0	0	0	0	0	0	0							
Wind direction	SW	SW	SW	W	W	SW	SW	SW	SW	N	NE	NE	NE	E	E	E	E	NE	NE	NE	NE	NE	E	NE
Wind movement	16	12	9	6	5	7	6	5	3	10	11	10	8	7	9	7	8	9	8	11	12	13	15	14
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
27	18	22	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 3.4 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 8

Actual sunshine, hours, 1.4

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 15

Prevailing direction NE.

Total movement, 221

Average hourly velocity, 9.2

Maximum velocity, 21 Direction, SW Time. Began 12:25am

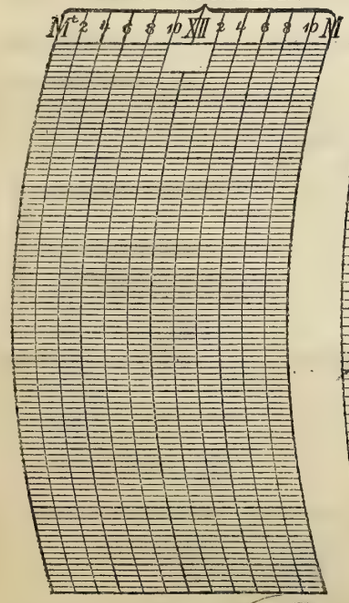
Extreme velocity, 21 SW 12:25am

Relative humidity, 88 a. m. 85 p. m.

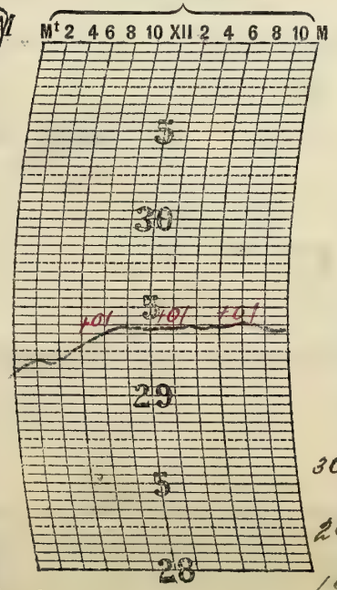
Reduced barometer, 30.29 a. m. 30.37 p. m.

River gage, 2.1 ft.

THERMOGRAPH.



BAROGRAPH.



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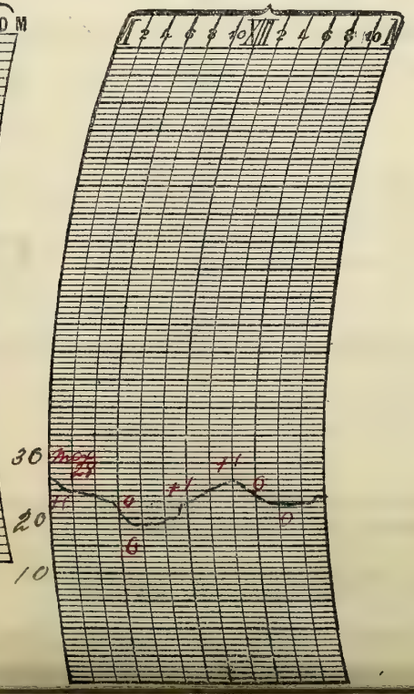


NOTES.

Prepared by
Verified by

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) DEC 26 1916, 191

Time (local standard), 90 mer.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	24	25	25	25	25	25	25 RB 7:45	26	28	29	31 RE 11:40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation								—	—	—	—	—
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, 7:05 Character, Cloudy												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E
Wind movement	14	17	17	18	18	16	16	16	13	15	10	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33 RB 12:25	34	35	34	33	33	34	35	36	38	42	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions						Cloudy						→
Sunset: Time, 4:19 Character, Cloudy												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	E	E	E	E	E	E	E	E	SE	SE
Wind movement	7	7	7	6	8	9	9	9	5	4	6	14

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

1 hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
45	23	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 3.1 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .32 ins.

Total precipitation, midnight to midnight, 1.16 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (6-10) 10

Actual sunshine, hours, 0

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 0

Prevailing direction E.

Total movement, 269

Average hourly velocity, 11.2

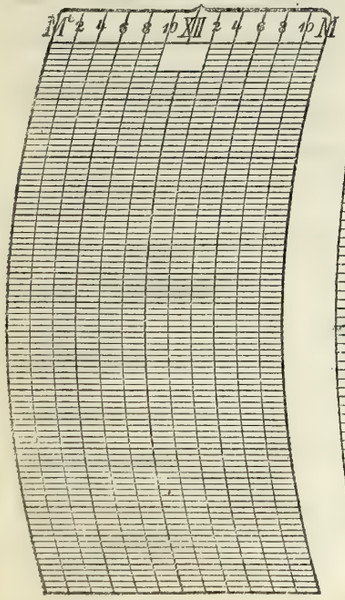
Maximum velocity,	Direction,	Time.
22	NE	Began 3:22 am
Extreme velocity, 22	NE	3:22 am

Relative humidity, 81 a. m. 100 p. m.

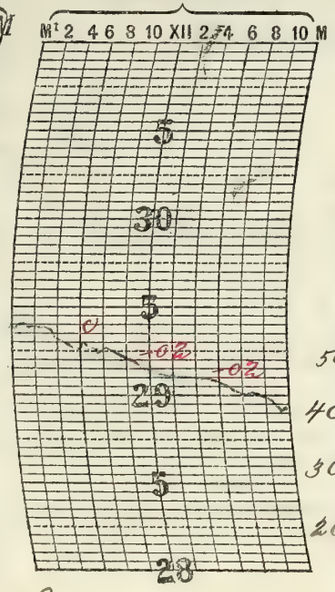
Reduced barometer, 30.22 a. m. 29.98 p. m.

River gage, 2.1

THERMOGRAPH.



BAROGRAPH.



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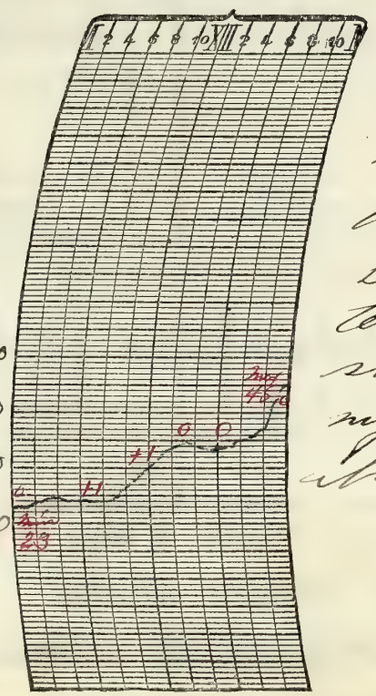


NOTES.

Estimated.

Rain which began in the morning froze as it fell making the streets & walks icy and slippery. Toward evening the temperature rose and much of the snow was melted during the night by rain and temperature above freezing.

Prepared by
Verified by P. M. A.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) DEC 27 1916, 191

Time (local standard), 90th mer. — 1 hour slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	45	45	44	44	44	43	40	38	37	38	38
		RE DNA										
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	?	—	Cloudy / Foggy				x Cloudy / x	Clear				
Sunrise: Time, 7:05 Character, Cloudy												
Sunshine (in tenths of hours)								0	0	0.2	0.8	0.9
Wind direction	S	S	S	S	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	13	13	11	11	11	13	13	13	11	13	15

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	37	36	35	35	34	32	31	29	27	27	25
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	x Cloudy	x Cloudy	x Cloudy	x Clear								
Sunset: Time, 4:19 Character, Cloudy												
Sunshine (in tenths of hours)	1.0	0.6	0	0	0							
Wind direction	SW	SW	SW	W	SW	W	SW	SW	W	W	W	W
Wind movement	15	14	13	11	8	9	8	9	10	10	12	12

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

	Maximum.	Minimum.	Mean.	Normal.
Temperature	45	25	35	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 2.1 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .06 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, x.18 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10) 5

Actual sunshine, hours, 3.5

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 38

Prevailing direction SW

Total movement, 283

Average hourly velocity, 11.8

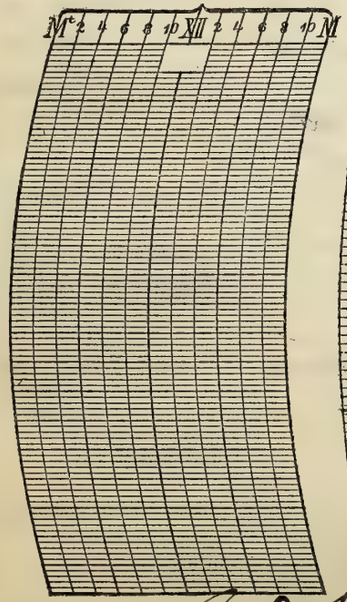
Maximum velocity,	Direction,	Time.
19	SW	Began 11:25 am
Extreme velocity, 20	SW	11:28 am

Relative humidity, 100 a. m. 55 p. m.

Reduced barometer, 29.94 a. m. 30.11 p. m.

River gage, 2.4 ft.

THERMOGRAPH.



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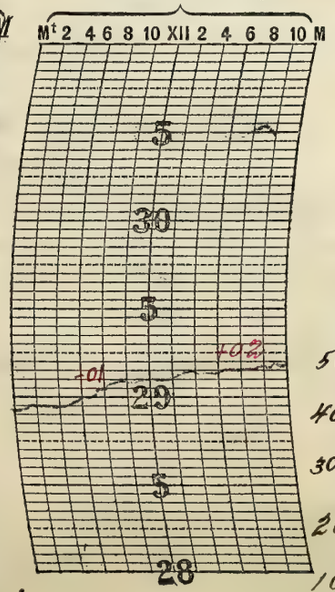

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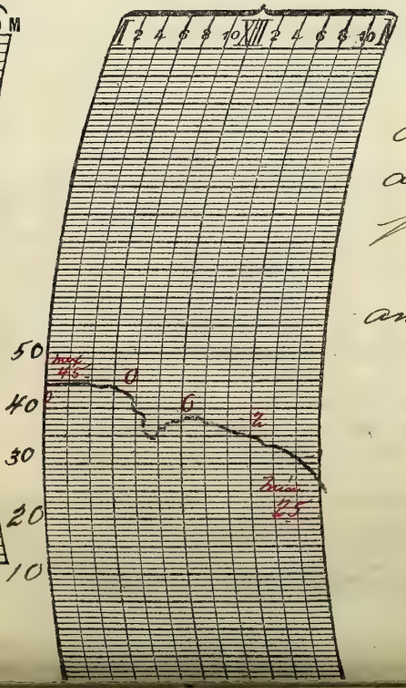


NOTES.

x Estimated

Cold wave warning received in am forecast at 9:45 am was dispensed by telephone, and also on maps & cards to interested parties.

Dense fog began during night am; ended 7:20 am

Prepared by C. O. S.

Verified by P. McH.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) DEC 28 1916, 191

Time (local standard), 90th mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	23	22	21	21	20	19	18	18	19	20	23	25	26	28	29	28	27	27	26	24	23	21	19	17
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	Clear												Clear			Hazy			Cloudy					
Sunrise: Time, 7:06 Character, Cloudy																					Sunset: Time, 4:20 Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0.2	1.0	1.0	1.0	1.0	1.0	0.9	0							
Wind direction	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	W	W	W	SW	SW	SW	SW	W	W	W	W	W
Wind movement	12	11	10	11	10	9	10	10	13	14	15	16	16	16	16	13	12	12	15	15	13	14	14	12
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
29	17	23	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 2.0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10) 3

Actual sunshine, hours, 6.1

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 66

Prevailing direction W.

Total movement, 309

Average hourly velocity, 12.9

Maximum velocity, 20 Direction, W Time. Began 1:07 pm

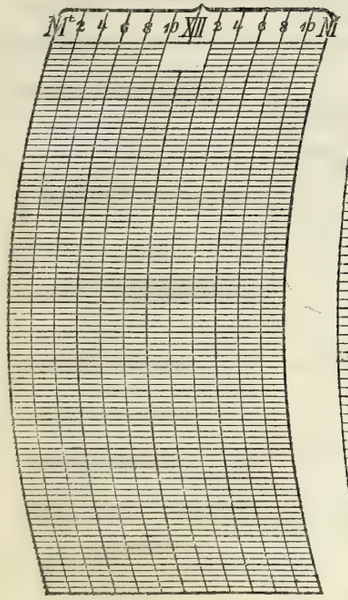
Extreme velocity, 20 — W — 1:07 pm

Relative humidity, 78 a. m. 45 p. m.

Reduced barometer, 30.26 a. m. 30.42 p. m.

River gage, 6.4 ft.

THERMOGRAPH.



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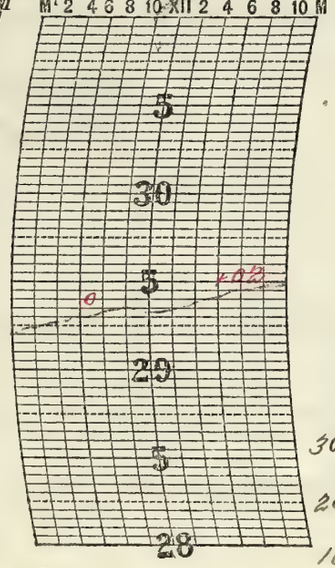

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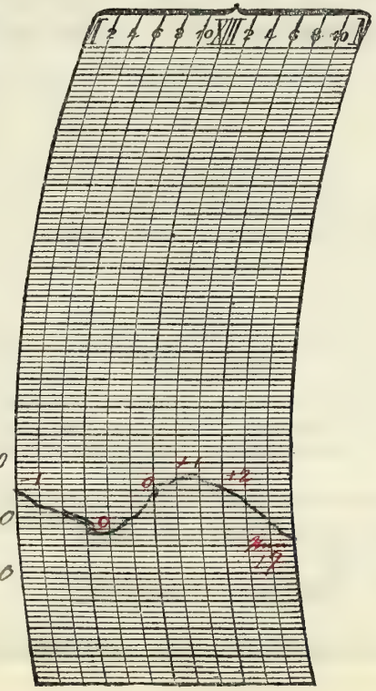


NOTES.

Prepared by
Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 29 1916, 191

Time (local standard), 90 mer.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	16	16	15	14	13	13	15	14	14	16	16	17	17	18	20	19	18	17	15	14	13	13	13	13
State of weather: Nature of precipitation and time of beginning and ending								SNB 7:20					SNE 12:35											
Amounts of precipitation								T	T	T	T	T	T											
Cloudiness and other conditions	← Cloudy												← Pt Cldy				→ Clear							?
Sunrise: Time, Character,	7:06 Cloudy																				Sunset: Time, Character,		4:21 Clear	
Sunshine (in tenths of hours)								0	0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0 .35							
Wind direction	W	W	W	W	W	W	W	SW	SW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	13	9	8	8	8	7	9	8	7	7	8	9	10	10	9	8	8	6	6	7	6	7	6	6
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
20	12	16	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow on ground 7 p. m., 1.8 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0–10) 6

Actual sunshine, hours, 7.0

Possible sunshine, hours, 9.2

Percentage of possible sunshine, 76

Prevailing direction W.

Total movement, 190

Average hourly velocity, 7.9

Maximum velocity, 13 Direction, W Time. Began 1:37 pm

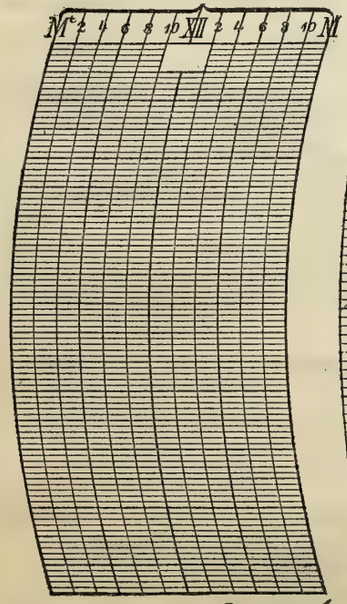
Extreme velocity, 13 — W — 1:37 pm

Relative humidity, 70 a. m. 58 p. m.

Reduced barometer, 30.52 a. m. 30.55 p. m.

River gage, 8.0 ft

THERMOGRAPH.



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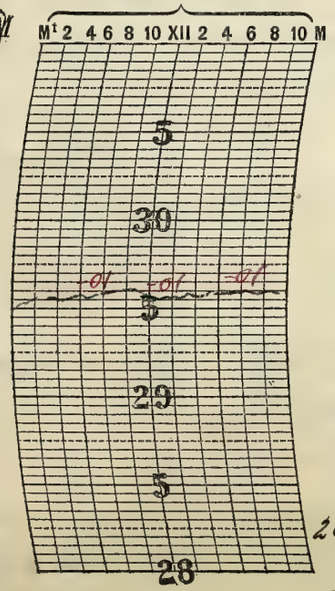

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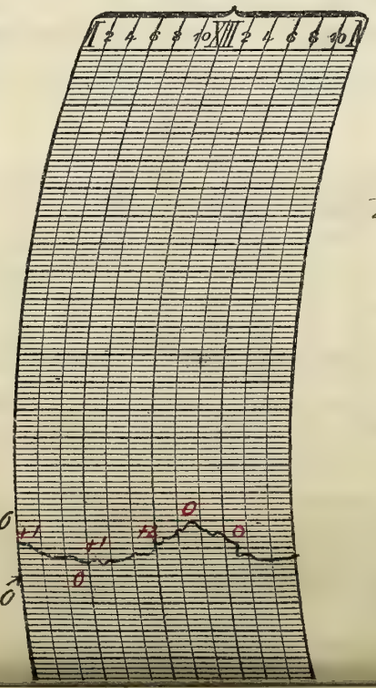


NOTES.

Snow flurries began at 7:20 am and continued throughout the morning.

Prepared by C. D. S.

Verified by P. McD.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) DEC 30 1916, 191

Time (local standard), 90th mer.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	13	13	13	12	12	13	14	15	18	18	20	23	25	25	24	22	20	20	20	19	17	17	17	16
Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions	?	—	Cloudy	—	—	—	—	×	Pt Cloudy	×	—	Clear	—	—	—	—	×	Pt Cldy	×	Cloudy	—	—	—	?
Sunrise: Time, 7:06; Character, Cloudy																					Sunset: Time, 4:22; Character, Cloudy			
Sunshine (in tenths of hours)								0	0	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0							
Wind direction	SW	W	SW	SW	SW	SW	SW	W	SW	SW	W	W	W	W	NW	NW	NW	NW	W	W	NW	NW	NW	W
Wind movement	6	5	4	5	6	5	7	5	5	6	7	7	8	9	11	7	6	6	5	6	5	5	4	4
Maximum velocities (exceeding 29 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

1 hour slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.
25	12	18	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow on ground 7 p. m., 0.1 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase,

Average daily cloudiness (0-10) 4

Actual sunshine, hours, 6.8

Possible sunshine, hours, 9.3

Percentage of possible sunshine, 73

Prevailing direction W.

Total movement, 144

Average hourly velocity, 6.0

Maximum velocity, 13 Direction, NW Time. Began 2:14 pm

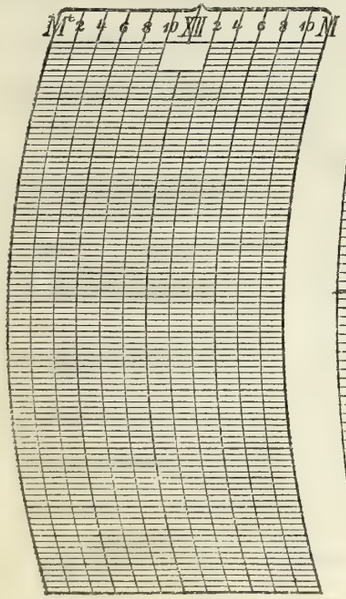
Extreme velocity, 13 — NW — 2:14 pm

Relative humidity, 82 a. m., 64 p. m.

Reduced barometer, 30.54 a. m., 30.54 p. m.

River gage, 6.6 ft.

THERMOGRAPH.



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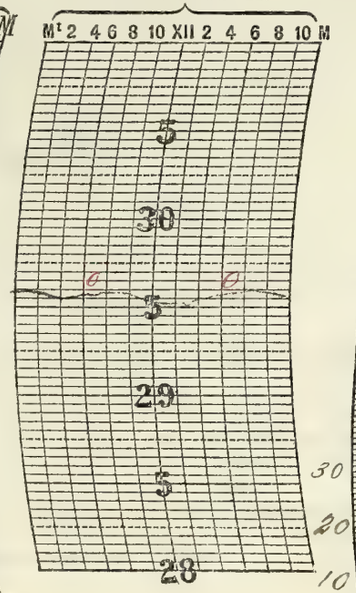

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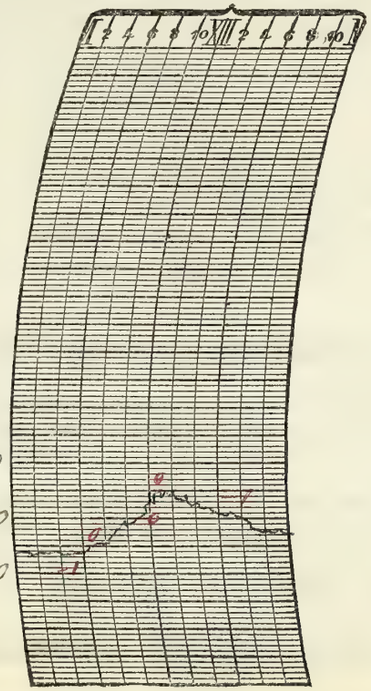


NOTES.

Prepared by GDS
Verified by J. McD.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) DEC 31 1916, 191

Time (local standard), 90th mer. — 1 hours slower than 75th meridian time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	17	17	15	15	13	13	14	14	21	25	29	31	33	34	34	34	33	32	32	32	32	32	33	33
State of weather: Nature of precipitation and time of beginning and ending																						S 9:15 S 9:45	S 10:15 SE	
Amounts of precipitation																						T	T	
Cloudiness and other conditions	?	Clear											Clear				Cloudy			Cloudy				
Sunshine (in tenths of hours)	Sunrise: Time, 7:06; Character, Clear							0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1				Sunset: Time, 4:22; Character, Cloudy			
Wind direction	W	W	W	SW	SW	S	S	S	S	S	S	S	S	S	S	S	S	SE	SE	S	S	S	S	S
Wind movement	3	2	2	3	3	4	4	5	8	8	10	12	14	12	12	10	7	7	8	10	13	11	10	12
Maximum velocities (exceeding 22 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

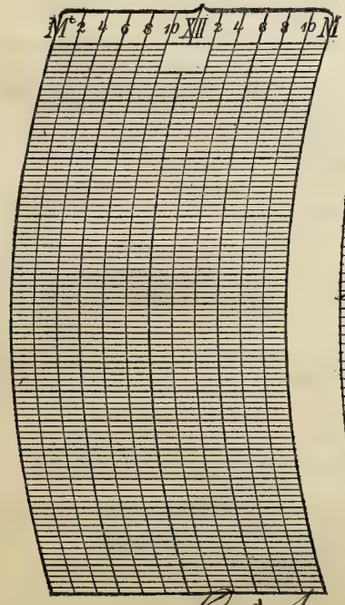
	Maximum.	Minimum.	Mean.	Normal.
	34	13	24	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10) 1
Actual sunshine, hours, 9.0
Possible sunshine, hours, 9.3
Percentage of possible sunshine, 97
Prevailing direction S.
Total movement, 190
Average hourly velocity, 7.9

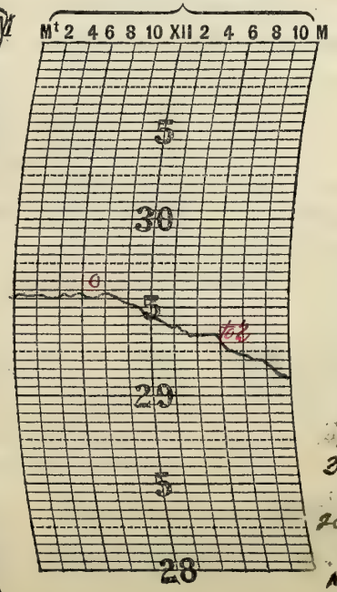
	Maximum velocity,	Direction,	Time.
	15	S	Began 12:31 pm
Extreme velocity,	16	S	12:31 pm

Relative humidity, 78 a. m. 65 p. m.
Reduced barometer, 30.55 a. m. 30.27 p. m.
River gage, 5.6 ft.

THERMOGRAPH.



BAROGRAPH.



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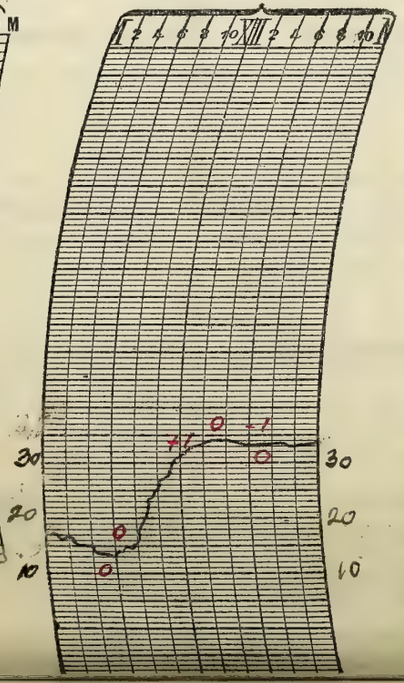


NOTES.

Prepared by C. O. S.
Verified by P. McD.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *191*

Time (local standard), ____mer.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather: Nature of precipitation and time of beginning and ending																								
State of weather: Amounts of precipitation																								
State of weather: Cloudiness and other conditions																								
	Sunrise: Time, ____ Character, ____																				Sunset: Time, ____ Character, ____			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ____ miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, ____ Moon phase, ____

Average daily cloudiness (0–10) ____

Actual sunshine, hours, ____

Possible sunshine, hours, ____

Percentage of possible sunshine, ____

Prevailing direction ____

Total movement, ____

Average hourly velocity, ____

Maximum velocity, ____ Direction, ____ Time. Began ____

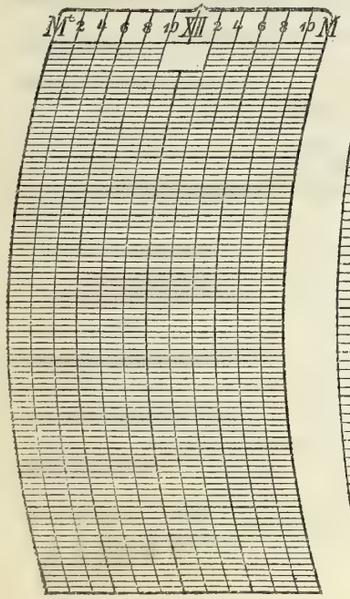
Extreme velocity, ____

Relative humidity, ____ a. m. ____ p. m.

Reduced barometer, ____ a. m. ____ p. m.

River gage, ____

THERMOGRAPH.



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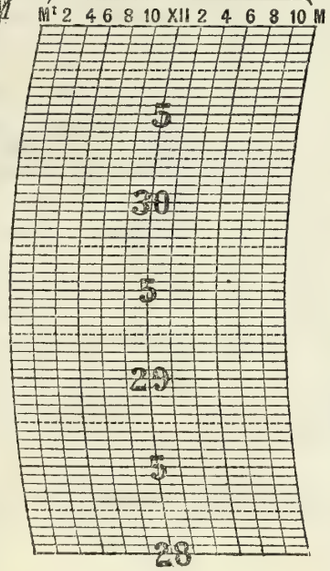

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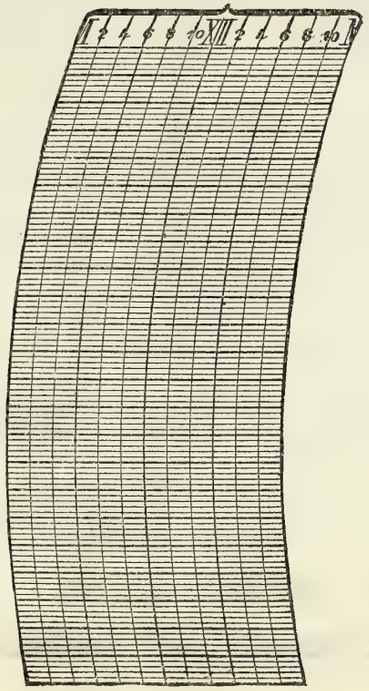


NOTES.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *191*

Time (local standard), _____ mer.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather: Nature of precipitation and time of beginning and ending																								
State of weather: Amounts of precipitation																								
State of weather: Cloudiness and other conditions																								
	Sunrise: Time, _____ Character, _____																				Sunset: Time, _____ Character, _____			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding _____ miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

_____ hours slower than 75th meridian time.

Maximum.	Minimum.	Mean.	Normal.

Total depth of snow for 24 hours ending _____ p. m., _____ inches.

Snow on ground _____ p. m., _____ inches.

Total snowfall, midnight to midnight, _____ inches.

Precipitation to _____ a. m., _____ ins.; to _____ p. m., _____ ins.

Total precipitation, midnight to midnight, _____ inches.

Character of day, _____ Moon phase, _____

Average daily cloudiness (0–10) _____

Actual sunshine, hours, _____

Possible sunshine, hours, _____

Percentage of possible sunshine, _____

Prevailing direction _____

Total movement, _____

Average hourly velocity, _____

Maximum velocity, _____ Direction, _____ Time. Began _____

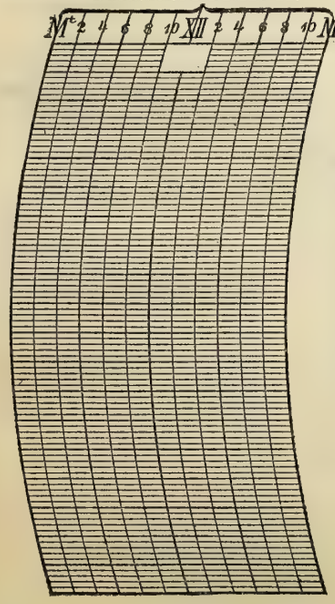
Extreme velocity, _____

Relative humidity, _____ a. m. _____ p. m.

Reduced barometer, _____ a. m. _____ p. m.

River gage, _____

THERMOGRAPH.



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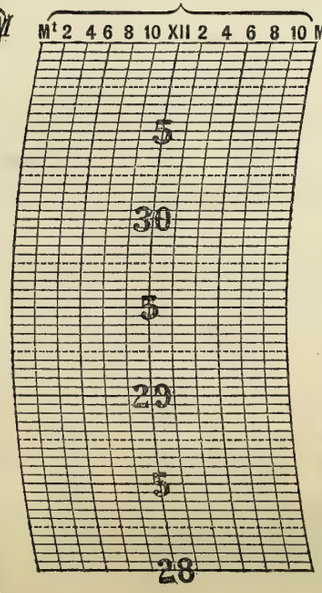
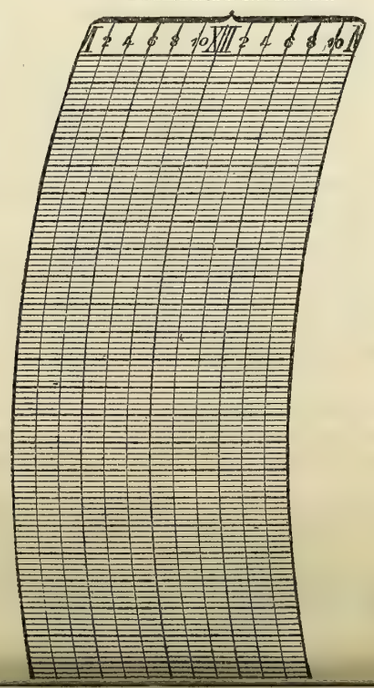


THERMOGRAPH.



NOTES.

Prepared by

Verified by

INDEX, DAILY LOCAL RECORD, 1916

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Auroras	0	0	0	0	0	0	0	0	0	0	0	0
Clouds, special formation	0	0	0	0	0	0	0	0	0	0	0	0
Cold waves	13.16	1.7	0	0	0	0	0	0	0	0	0	0
Dew, heavy deposits of	0	0	0	29	0	0	0	0	0	0	0	0
Droughts	0	0	0	0	0	0	0	0	0	0	0	0
Earthquakes	0	0	0	0	0	0	0	0	0	0	0	0
Fires, forest	0	0	0	0	0	0	0	0	0	0	0	0
Fog, dense	1	17	30,31	0	0	15	0	0	0	30	5,20	27
Floods, other than in rivers	0	0	0	0	0	0	0	0	0	0	0	0
Frosts, light	—	—	—	10 x	0	0	0	0	16.20	1,10,14	—	—
Heavy	—	—	—	10 x	0	0	0	0	18.19.30	11,18	—	—
Killing	—	—	—	10 x	0	0	0	0	—	22	—	—
First killing after July 15	—	—	—	—	—	—	—	—	—	22	—	—
Last killing before July 15	—	—	—	10 x	—	—	—	—	—	—	—	—
Last heavy before July 15	—	—	—	10 x	—	—	—	—	—	—	—	—
First heavy after July 15	—	—	—	—	—	—	—	—	18	—	—	—
Hail. *See* Precipitation	0	0	0	16	0	4	14	0	0	0	0	0
Ice	0	0	0	0	0	0	0	0	0	0	0	0
Lightning, damage by	0	0	0	0	0	0	0	0	0	0	0	0
Deaths by	0	0	0	0	0	0	0	0	0	0	0	0
Meteors	0	0	0	0	0	0	0	0	0	0	0	0
Navigation, opening	0	0	0	0	0	0	0	0	0	0	0	0
Closing	0	0	0	0	0	0	0	0	0	0	0	0
Impeded	0	0	0	0	0	0	0	0	0	0	0	0
Observations, not taken	0	0	0	0	0	0	0	0	0	0	0	0
Taken late	0	0	0	0	0	0	0	0	0	0	0	0
Special	27 5.9.16,25	1.3.8.11. 18.20	6	0	0	2.6.7.8.26.	0	0	0	9.24	13,23	0
Optical phenomena, haze	0	0	0	0	10	0	29	1,22	0	6.30	6,7	0
Coronæ	0	0	0	0	0	0	0	0	0	0	0	0
Halo, lunar	0	16	0	12	0	0	0	0	10	0	0	2
Solar	19	0	2, 5	0	0	0	0	14	10	18	3	0
Parhelia	0	0	0	0	0	0	0	0	0	0	0	0
Parselenæ	0	0	0	0	0	0	0	0	0	0	0	0
Rainbows	0	0	0	0	0	0	0	0	0	0	0	0
Sunrise, peculiar			0	0	0	0	0	0	0	0	0	0
Sunset, peculiar	0	0	0	0	0	0	0	0	0	0	0	0
Zodiacal light	0	0	0	0	0	0	0	0	0	0	0	0
Precipitation, rain, heavy (1.00 in. or more in 24 hrs.)	1,12.30	0	0	26	14	6.21	14	0	5	0	0	0
Excessive	0	0	0	0	0	0	13,14	3+4	3+6	0	0	0
Sleet	11	0	20	0	0	0	0	0	0	0	0	8

8—486 x Last date in spring with min. temp. 32° or lower. No frosts of any kind were recorded until autumn.

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INDEX, DAILY LOCAL RECORD, 1916.

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Precipitation—Continued.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2,4,29,31 16,17,19,20,21,
Snow, light	6,11,12,16	10,17,20,20 2,4,[illegible],12	12,1+15,16. 1,2,7,8,9,10.	6,7.	0	0	0	0	0	20	13,14,17,24,25	8,9,11,12,13,15
Heavy	5,[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	0	19
Hail	0	0	0	16	0	4	14	0	0	0	0	0
Wet periods	0	0	0	0	0	0	0	0	0	0	0	0
Rivers, rapid rise	0	0	0	0	0	0	0	0	0	0	0	0
Flood stages	3-8, 31.	1-4.	27-31.	1	0	0	0	0	0	0	0	0
Low-water stages, unusual	0	0	0	0	0	0	0	0	0	0	0	0
High water, periods of	3-8, 31	1-4.	27	1	0	0	0	0	0	0	0	0
Frozen	0	0	0	0	0	0	0	0	0	0	0	0
Floating débris	0	0	0	0	0	0	0	0	0	0	0	0
Gorges	0	0	0	0	0	0	0	0	0	0	0	0
Running ice	—	—	—	0	0	0	0	0	0	0	0	0
Warnings. *See* Warnings	25,30,31	—	—	—	0	0	0	0	0	0	11,13	11,16
Smoke, light	0	0	0	0	0	0	0	0	0	0	0	0
Dense	0	0	0	0	0	0	0	0	0	0	0	0
Temperature, unusually high 90° or higher.	0	0	0	0	0	0	11, 15-19. 22-31.	3-7. 17-22.	7	0	0	0
Unusually low ZERO or lower	13,14 16,17.	0	0	0	0	0	0	0	0	0	0	15,16
Sudden rise	0	0	0	0	0	0	0	0	0	0	0	0
Sudden fall	0	0	0	0	0	0	0	0	0	0	0	0
Periods of high 90° or higher.	0	0	0	0	0	0	11, 15-19. 22-31.	3-7 17-22.	7	0	0	0
Periods of low ZERO or lower.	13,14,16,17	0	0	0	0	0	0	0	0	0	0	15,16
Thunderstorms	0	22	7. 21,22	13,14,16	6,14,22,27	2,4,14,15 16,17,21,26,30	2,13,14,16,17 20,22,23,25,30	3,4,7,8,10 19,22.	5,7,21,27.	8		4,8,9
Tornadoes	0	0	0	0	0	0	0	0	0	0	0	0
Warnings, advisory	0	0	0	0	0	0	0	0	0	0	0	0
Cold wave	15,27. 5,9,10,12.	5,18	22,26	0	0	0	0	0	0	0	11,13	11,16
Inland storm	0	0	0	0	0	0	0	0	0	0	0	0
Emergency	0	0	0	0	0	0	0	0	0	0	0	0
Frost	—	—	—	22,23,24. 25,27	1,2,3,8,16. 17.	0	0	0	15,17,18. 29.	9,10,13. 21	0	0
Hurricane	0	0	0	0	0	0	0	0	0	0	0	0
Rapid rise in river	—	—	—	—	—	—	—	—	—	—	—	0
Flood	2,5,30,31.	—	—	—	0	0	0	0	0	0	0	0
Winds, 25 to 39 miles per hour	1,3,4,5,7,10 12,13,18,20, 21,27.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,4,5,9,13 15,16,24
40 miles per hour, or over	0	0	9	17.	10	0	12	0	27	20,25.	23	0
Hurricanes	0	0	0	0	0	0	0	0	0	0	0	0

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